

Bridgeton Landfill, LLC

Monthly Data Submittals

September 2020

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

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Provided Separately:

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

October 20, 2020

Commentary on Data

October 20, 2020

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

Gas Volume

- As presented in Attachment B-1, the gas collection volumetric rate for this month averaged a total site flow of 1,058 SCFM, as normalized per the MDNR weekly flow and TRS sampling results.
- On October 8, 2019 all landfill gas from the North Quarry was directed to the FL-120 Flare (combined with the South Quarry Landfill Gas). Therefore, as of this date, there was no flare testing nor data from the Auxiliary Flare. For the September 2020 Monthly Report, this affected the Appendix A – Flare Data and Flare Graphs.

Gas Quality

- Attachments D and E present the monthly data related to gas quality as measured at the respective wellheads.
- Attachment E-1 presents vertical wells which exhibited oxygen levels at or greater than 5% during one (1) or more weekly monitoring events during this reporting period. These consisted of 5 GEW wells that are experiencing low or restricted flows, and one (1) leachate collection sump (LCS) that exhibit low gas flow due to the cooling loops that are installed in these wells. By the end of the month, none of the GEW wells and one LCS still exhibited oxygen levels at or greater than 5% at the wellhead. All of these wells are low-flow/vacuum sensitive wells with valves that are only slightly open. On-going tuning, maintenance, and pump operation are being performed to manage the oxygen content.
- Attachment E-2 presents gas temperatures as measured at the wellheads. One (1) vertical well (excluding GIW wells) increased by 30°F or more and two (2) decreased by 30°F or more during this reporting period. All wells that exhibited changes greater than 30°F are within the historical gas temperature norms for these wells or within the range of temperatures of nearby vertical wells.
- All gas wells in the North Quarry exhibited a maximum wellhead temperature less than 145°F during this reporting period, with the exception of GEW-054 (145.9°F). Carbon monoxide (CO) results were non-detect (ND) for North Quarry wells, with the exception of GEW-053 (57 ppm), consistent with past events.
- Site personnel are performing a comprehensive wellfield investigation to optimize the landfill gas collection and control system (GCCS). Wells that have previously been decommissioned due to excessive moisture and/or dangerous conditions have been reviewed and monitored to determine if the wells have obstructions that would prohibit pump installation and would therefore preclude leachate and landfill gas

collection. Wells with no identified downhole integrity issues and which are no longer exhibiting excessive moisture and/or dangerous conditions have been brought back online. Wells with no identified downhole integrity issues but which still exhibit excessive moisture and/or dangerous conditions will remain decommissioned until conditions at the location improve. Wells with poor gas quality are planned to be decommissioned in the latter half of 2020. This investigation continued through the Third Quarter 2020. Wellfield expansion and abandonment activities was reported in the quarterly Landfill Gas Corrective Action Update.

Settlement

- The South Quarry exhibited monthly maximum settlement up to 0.26 feet over 30 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

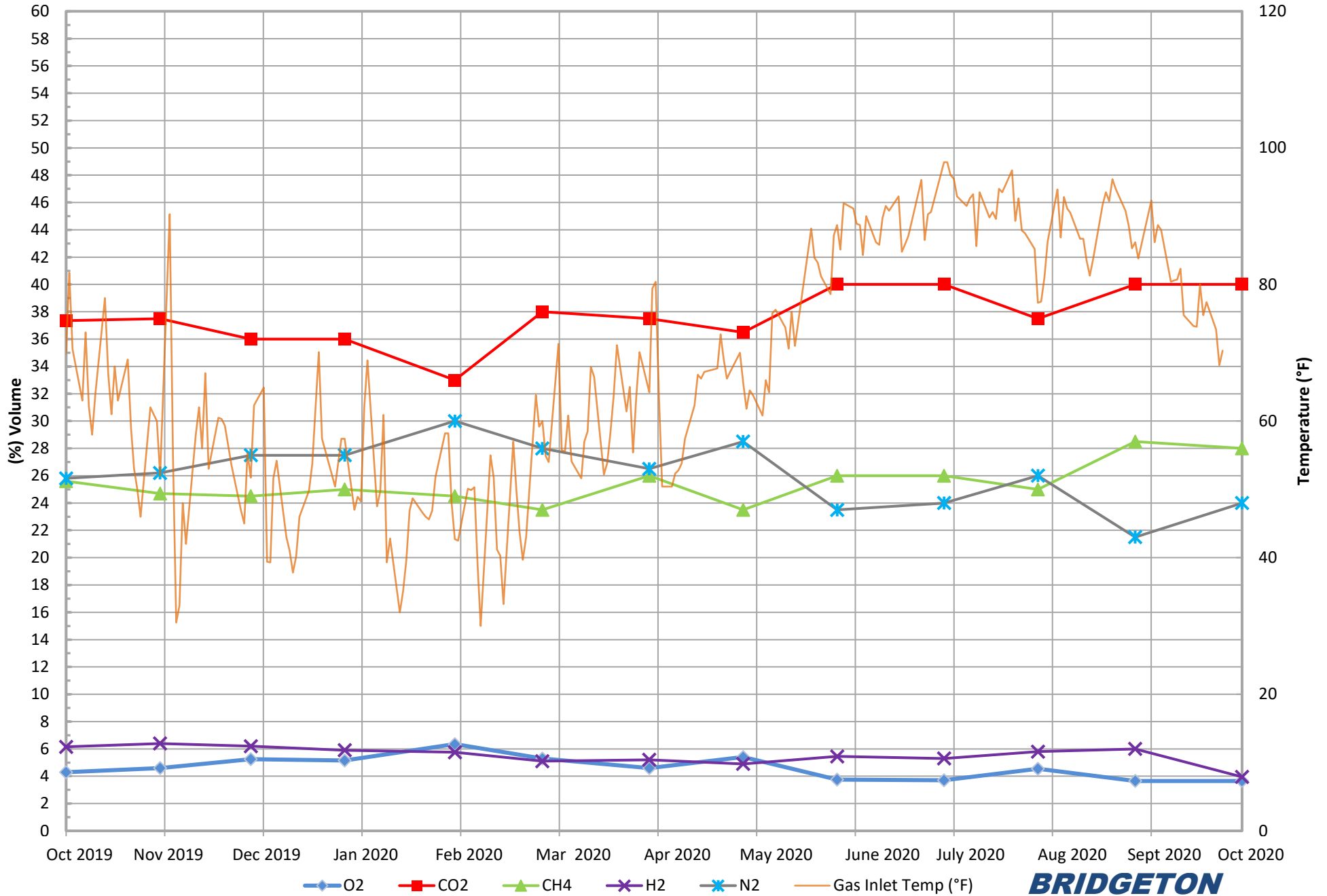
Daily Flare Monitoring Data - Bridgeton Landfill
September 2020

Date	Average Device Flow* (scfm)			Total Avg. Flow** (scfm)
	Utility Flare (FL-100)	Utility Flare (FL-120)	Utility Flare (FL-140)	
9/1/2020	0	1,104	0	1,104
9/2/2020	0	1,062	0	1,062
9/3/2020	768	254	0	1,021
9/4/2020	1,017	0	0	1,017
9/5/2020	1,038	0	0	1,038
9/6/2020	1,036	0	0	1,036
9/7/2020	1,036	0	0	1,036
9/8/2020	1,025	0	0	1,025
9/9/2020	1,014	0	0	1,014
9/10/2020	1,027	0	0	1,027
9/11/2020	1,068	0	0	1,068
9/12/2020	1,047	0	0	1,047
9/13/2020	1,040	0	0	1,040
9/14/2020	1,054	0	0	1,054
9/15/2020	1,053	0	0	1,053
9/16/2020	1,052	0	0	1,052
9/17/2020	1,066	0	0	1,066
9/18/2020	1,072	0	0	1,072
9/19/2020	1,078	0	0	1,078
9/20/2020	1,073	0	0	1,073
9/21/2020	1,084	0	0	1,084
9/22/2020	1,081	0	0	1,081
9/23/2020	1,061	0	0	1,061
9/24/2020	1,058	14	0	1,073
9/25/2020	1,086	0	0	1,086
9/26/2020	1,099	0	0	1,099
9/27/2020	1,077	0	0	1,077
9/28/2020	1,073	0	0	1,073
9/29/2020	1,021	32	0	1,053
9/30/2020	1,074	0	0	1,074
AVERAGE	976	82	0	1,058
<p>* Flows normalized to **Blower Outlet Flowmeter - EPA Method 2 measurement verified</p> <p>*** On 3/18/2016, the Bridgeton Landfill began separating the North Quarry gas to the Auxiliary Flare.</p> <p>On 10/8/19, the Bridgeton Landfill combined the North Quarry gas and the South Quarry Gas to the Main Flare</p>				

ATTACHMENT A-2

FLOW DATA GRAPHS

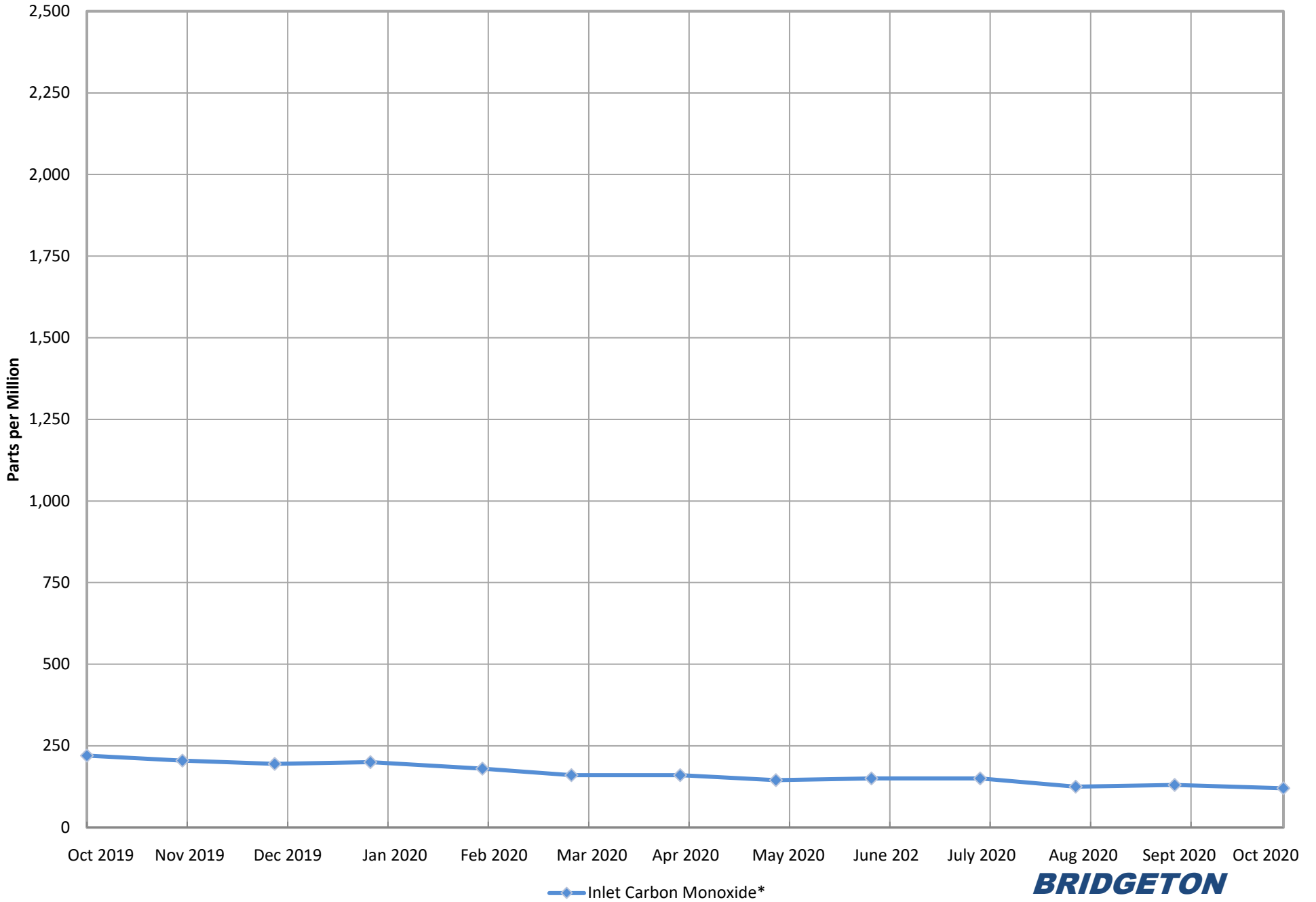
Combined Inlet Gas and Temperature*



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

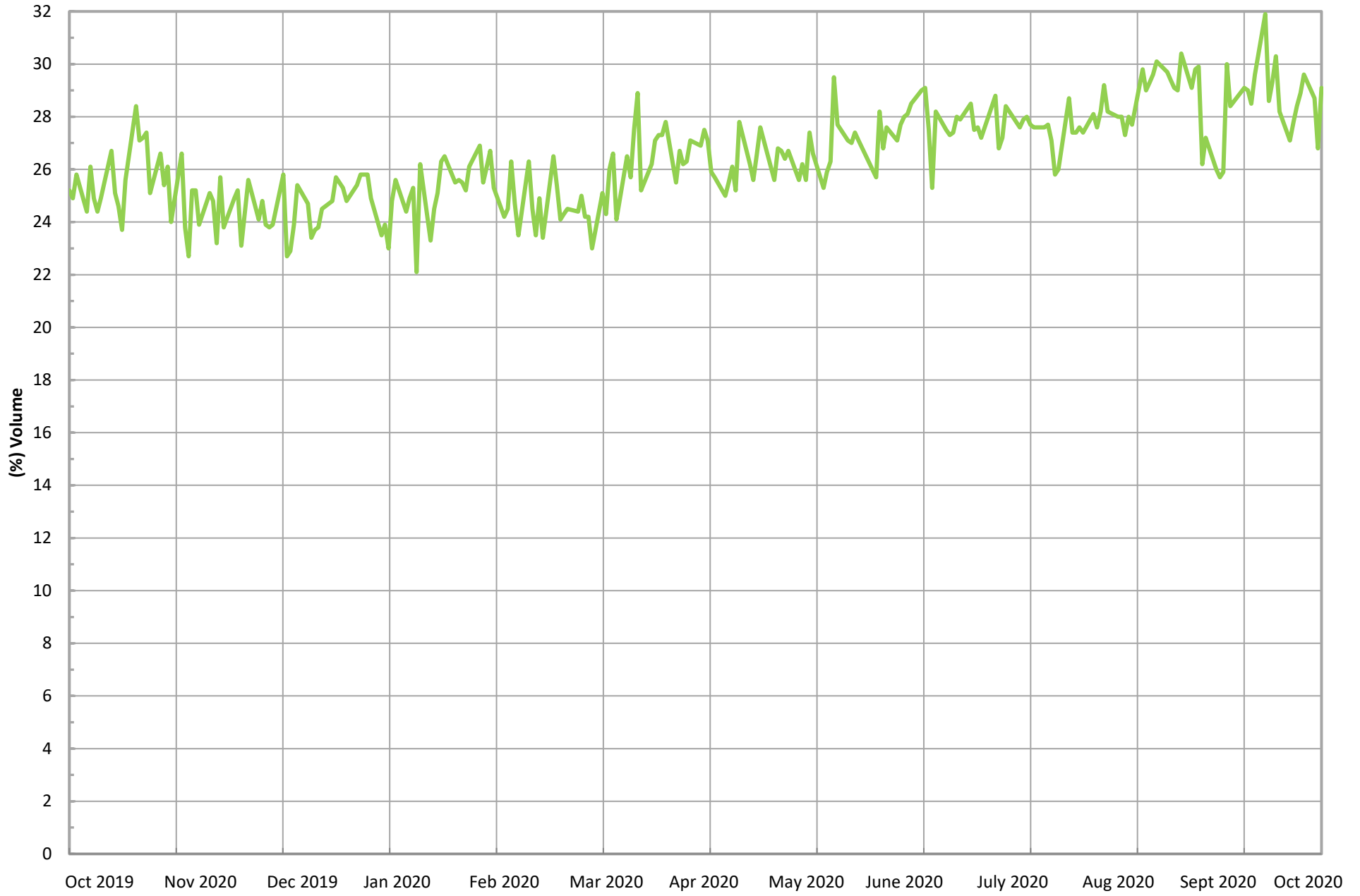
Combined Inlet Carbon Monoxide*



*Data collected from Laboratory Reports.

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Combined Inlet Methane (Field Data)*

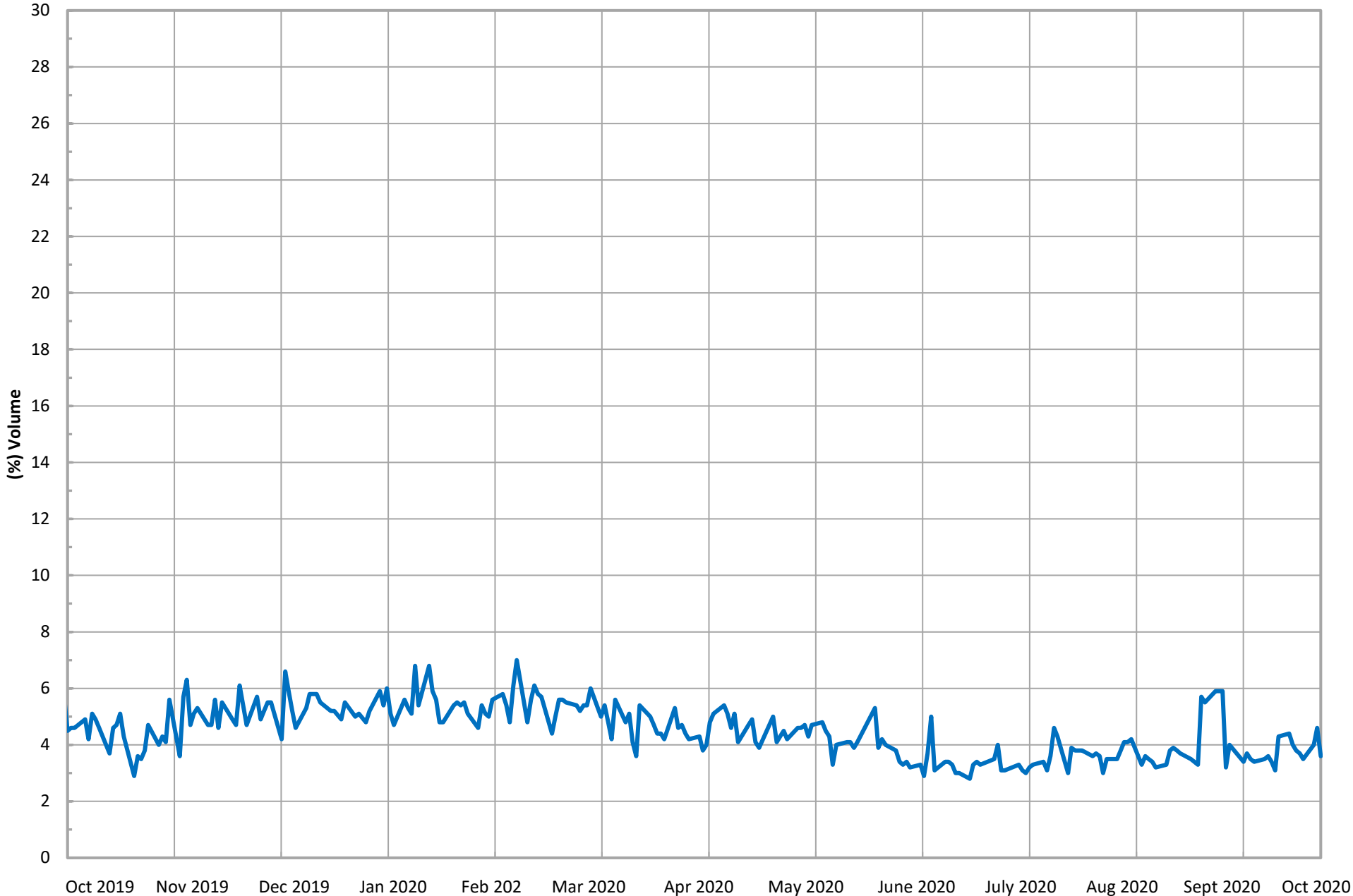


*Gas data collected from field monitoring data.

— Combined Inlet Methane (Field Data)*

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Combined Inlet Oxygen (Field Data)*

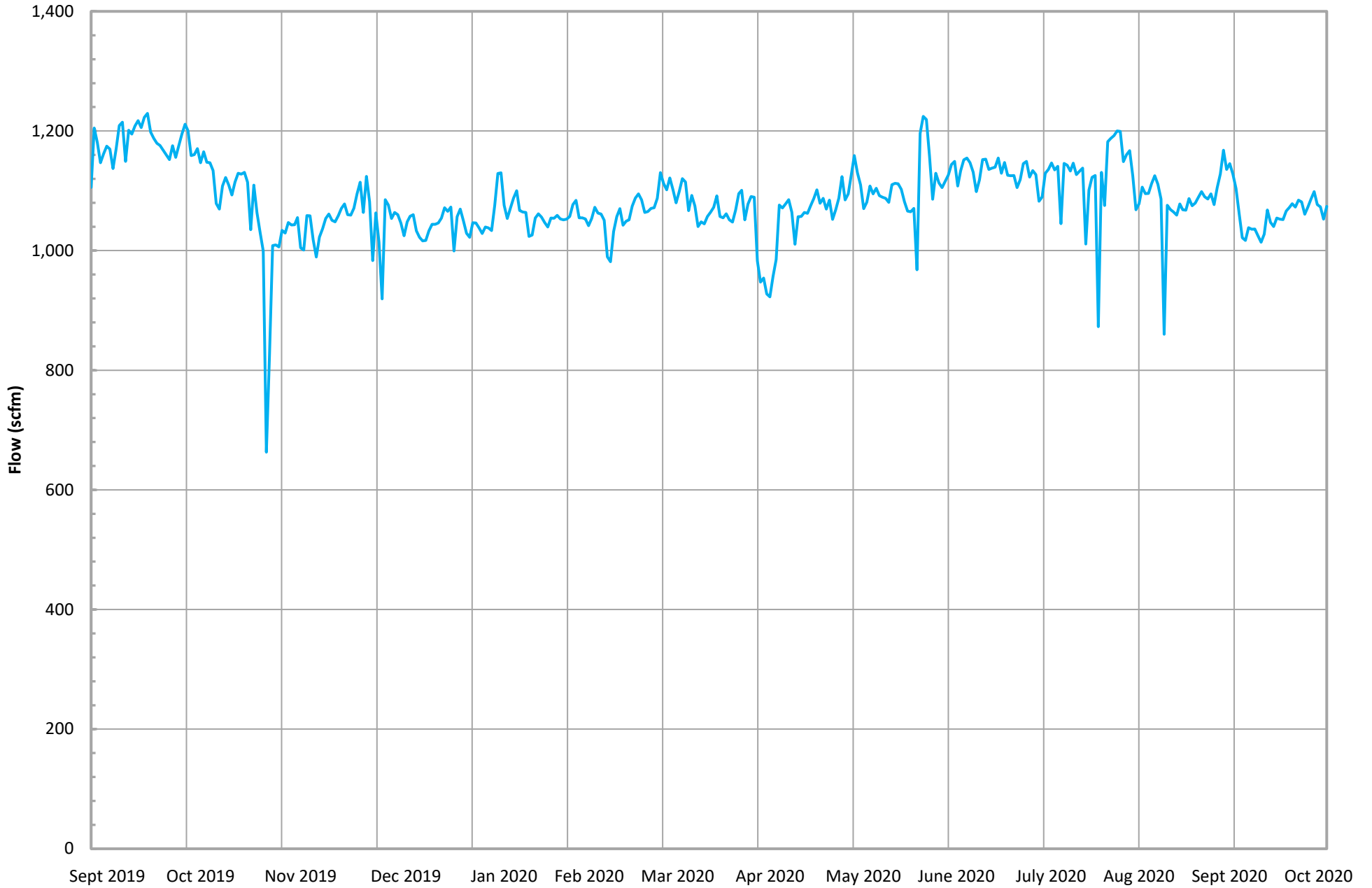


*Gas data collected from field monitoring data

— 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

September 2020

ID	Well Condition	Comments
GEW-2	Operational	
GEW-2S	Operational	
GEW-3	Operational	
GEW-4	Operational	
GEW-5	Operational	
GEW-6	Operational	
GEW-7	Operational	
GEW-8	Operational	
GEW-9	Operational	
GEW-10	Operational	
GEW-13A	Operational	
GEW-15	Operational	
GEW-16R	Operational	
GEW-18B	Operational	
GEW-19A	Operational	
GEW-39	Operational	
GEW-40	Operational	
GEW-41R	Operational	
GEW-42R	Operational	
GEW-43R	Operational	
GEW-44	Operational	
GEW-45R	Operational	
GEW-46R	Operational	
GEW-47R	Operational	
GEW-48	Operational	
GEW-49	Operational	
GEW-50	Operational	
GEW-51	Operational	
GEW-52	Operational	
GEW-53	Operational	
GEW-54	Operational	
GEW-55	Operational	
GEW-56R	Operational	
GEW-57B	Operational	
GEW-58A	Operational	
GEW-59R	Operational	
GEW-67A	Operational	
GEW-68A	Operational	
GEW-78R	Operational	
GEW-82R	Operational	
GEW-86	Operational	
GEW-87	Operational	
GEW-88	Operational	
GEW-90	Operational	

September 2020

ID	Well Condition	Comments
GEW-91	Operational	
GEW-100	Operational	
GEW-101	Operational	
GEW-102	Operational	
GEW-104	Operational	
GEW-105	Operational	
GEW-106	Operational	
GEW-107	Operational	
GEW-108	Operational	
GEW-109	Operational	
GEW-110	Operational	
GEW-113	Operational	
GEW-116	Operational	
GEW-117	Operational	
GEW-118	Operational	
GEW-120	Operational	
GEW-121	Operational	
GEW-122	Operational	
GEW-123	Operational	
GEW-124	Operational	
GEW-125	Operational	
GEW-126	Operational	
GEW-127	Operational	
GEW-128	Non-Operational	Decommissioned
GEW-129	Operational	
GEW-130	Operational	
GEW-131	Operational	
GEW-132	Operational	
GEW-133	Operational	
GEW-134	Operational	
GEW-135	Operational	
GEW-137	Operational	
GEW-138	Non-Operational	Decommissioned
GEW-139	Operational	
GEW-140	Operational	
GEW-144	Operational	
GEW-145	Operational	
GEW-147	Operational	
GEW-148	Operational	
GEW-149	Operational	
GEW-150	Operational	
GEW-151	Operational	
GEW-152	Operational	
GEW-153	Operational	

September 2020

ID	Well Condition	Comments
GEW-154	Non-Operational	Decommissioned
GEW-155	Non-Operational	Decommissioned
GEW-156	Operational	
GEW-157	Operational	
GEW-158	Operational	
GEW-159	Non-Operational	Decommissioned
GEW-160	Operational	
GEW-161	Operational	
GEW-162	Operational	
GEW-163	Operational	
GEW-164	Operational	
GEW-165	Operational	
GEW-166	Operational	
GEW-167	Operational	
GEW-168	Operational	
GEW-169	Operational	
GEW-170	Operational	
GEW-171	Operational	
GEW-172	Operational	
GEW-173	Non-Operational	Decommissioned
GEW-174	Operational	
GEW-175	Operational	
GEW-176	Non-Operational	Decommissioned
GEW-177	Operational	
GEW-178	Operational	
GEW-179	Operational	
GEW-180	Operational	
GEW-181	Operational	
GEW-182	Non-Operational	Decommissioned
GEW-184	Non-Operational	Decommissioned
GEW-185	Operational	
GEW-186	Operational	
GEW-187	Operational	
GEW-188	Non-Operational	Decommissioned
GEW-217	Operational	
GEW-218	Operational	
GEW-219	Non-Operational	Decommissioned
GEW-220	Operational	
GEW-221	Operational	
GEW-222	Operational	
GEW-223	Operational	
GEW-224	Operational	
GEW-225	Operational	
GEW-226	Operational	

September 2020		
ID	Well Condition	Comments
GEW-227	Operational	
GEW-228	Operational	
GEW-229	Operational	
GEW-230	Operational	
GEW-231	Non-Operational	Decommissioned
GEW-232	Operational	
GEW-233	Operational	
GEW-234	Operational	
GEW-235	Operational	
GEW-236	Operational	
GEW-237	Operational	
GEW-238	Operational	
GEW-239	Operational	
GEW-240	Operational	
GIW-1	Operational	
GIW-2	Operational	
GIW-3	Operational	
GIW-4	Operational	
GIW-5	Operational	
GIW-6	Operational	
GIW-7	Operational	
GIW-8	Operational	
GIW-9	Operational	
GIW-10	Operational	
GIW-11	Operational	
GIW-12	Operational	
GIW-13	Operational	

ATTACHMENT C

LABORATORY DATA

ATTACHMENT C-1

LABORATORY ANALYSES SUMMARY

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
North Quarry								
GEW-002	5/12/2020	51	42	ND	6.4	ND	ND	
GEW-002	6/10/2020	44	34	4.0	17	ND	ND	
GEW-002	6/24/2020	52	40	ND	7.3	ND	ND	See Note 3
GEW-002	7/8/2020	53	43	ND	4.0	ND	ND	
GEW-002	8/12/2020	53	43	ND	3.7	ND	ND	
GEW-002	9/15/2020	51	42	ND	6.4	ND	ND	
GEW-02S	5/12/2020	57	35	1.7	6.6	ND	ND	
GEW-02S	5/27/2020	54	34	2.6	9.4	ND	ND	See Note 4
GEW-02S	6/10/2020	59	37	ND	3.5	ND	ND	
GEW-02S	7/8/2020	58	36	ND	4.5	ND	ND	
GEW-02S	8/12/2020	55	36	1.6	7.1	ND	ND	See Note 3
GEW-02S	8/24/2020	56	36	ND	6.6	ND	ND	
GEW-02S	9/14/2020	53	36	ND	9.5	ND	ND	
GEW-003	5/12/2020	51	42	ND	7.1	ND	ND	
GEW-003	6/10/2020	50	42	ND	7.5	ND	ND	
GEW-003	7/8/2020	46	42	ND	11	ND	ND	
GEW-003	8/12/2020	51	45	ND	4.0	ND	ND	
GEW-003	9/15/2020	49	44	ND	6.0	ND	ND	
GEW-004	5/12/2020	49	40	ND	9.5	ND	ND	
GEW-004	6/10/2020	49	41	ND	9.3	ND	ND	
GEW-004	7/8/2020	50	41	ND	8.0	ND	ND	
GEW-004	8/12/2020	50	41	ND	7.7	ND	ND	
GEW-004	9/15/2020	51	41	ND	6.3	ND	ND	
GEW-005	5/12/2020	49	38	ND	12	ND	ND	
GEW-005	6/10/2020	44	36	ND	19	ND	ND	
GEW-005	7/8/2020	52	40	ND	7.0	ND	ND	
GEW-005	8/12/2020	52	39	ND	8.9	ND	ND	
GEW-005	9/15/2020	52	39	ND	7.7	ND	ND	
GEW-006	5/12/2020	54	39	ND	5.8	ND	ND	
GEW-006	6/10/2020	53	39	ND	7.4	ND	ND	
GEW-006	7/8/2020	54	40	ND	6.0	ND	ND	
GEW-006	8/12/2020	54	40	ND	5.4	ND	ND	
GEW-006	9/15/2020	54	41	ND	4.8	ND	ND	
GEW-007	5/11/2020	53	42	ND	4.4	ND	ND	
GEW-007	6/8/2020	52	41	ND	6.1	ND	ND	
GEW-007	7/7/2020	53	42	ND	3.8	ND	ND	
GEW-007	8/10/2020	53	42	ND	4.1	ND	ND	
GEW-007	9/9/2020	53	42	ND	3.6	ND	ND	
GEW-008	5/11/2020	51	44	ND	3.2	0.96	ND	
GEW-008	6/8/2020	49	43	ND	5.3	1.0	ND	
GEW-008	7/8/2020	50	44	ND	3.4	1.0	ND	
GEW-008	8/10/2020	50	44	ND	3.6	1.3	ND	
GEW-008	9/14/2020	50	44	ND	3.7	1.0	ND	
GEW-009	5/11/2020	49	43	ND	6.3	0.60	ND	
GEW-009	6/8/2020	48	42	ND	7.6	0.53	ND	
GEW-009	7/8/2020	48	43	ND	7.0	0.44	ND	
GEW-009	8/10/2020	49	44	ND	6.3	0.52	ND	
GEW-009	9/14/2020	49	44	ND	6.7	0.44	ND	
GEW-040	5/11/2020	54	35	ND	10	ND	ND	
GEW-040	6/8/2020	51	34	ND	14	ND	ND	
GEW-040	7/8/2020	50	35	ND	14	ND	ND	
GEW-040	8/11/2020	51	35	ND	13	ND	ND	
GEW-040	9/14/2020	53	35	ND	11	ND	ND	
GEW-041R	5/11/2020	52	36	ND	11	ND	ND	
GEW-041R	6/8/2020	50	35	1.7	12	ND	ND	
GEW-041R	6/24/2020	50	36	ND	12	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-041R	7/8/2020	49	37	ND	14	ND	ND	
GEW-041R	8/11/2020	51	37	ND	11	ND	ND	
GEW-041R	9/14/2020	51	37	ND	11	ND	ND	
GEW-042R	5/11/2020	53	40	ND	6.9	ND	ND	
GEW-042R	6/8/2020	51	38	1.9	9.4	ND	ND	
GEW-042R	6/24/2020	53	40	ND	6.0	ND	ND	
GEW-042R	7/8/2020	52	40	ND	6.5	ND	ND	
GEW-042R	8/11/2020	54	40	ND	5.6	ND	ND	
GEW-042R	9/14/2020	53	40	ND	5.6	ND	ND	
GEW-043R	5/11/2020	52	41	ND	6.0	0.098	ND	
GEW-043R	6/9/2020	52	42	ND	5.1	0.11	ND	
GEW-043R	7/8/2020	52	42	ND	4.8	0.089	ND	
GEW-043R	8/11/2020	53	43	ND	3.7	0.11	ND	
GEW-043R	9/14/2020	53	43	ND	3.2	0.100	ND	
GEW-044	5/12/2020	41	34	ND	24	ND	ND	
GEW-044	6/9/2020	52	38	ND	9.2	ND	ND	
GEW-044	7/8/2020	48	37	ND	14	ND	ND	
GEW-044	8/12/2020	52	37	ND	10	ND	ND	
GEW-044	9/14/2020	50	39	ND	10.0	ND	ND	
GEW-045R	5/12/2020	51	39	ND	9.1	ND	ND	
GEW-045R	6/10/2020	50	38	ND	9.9	ND	ND	
GEW-045R	7/8/2020	52	40	ND	7.5	ND	ND	
GEW-045R	8/12/2020	53	40	ND	5.8	ND	ND	
GEW-045R	9/14/2020	54	41	ND	4.6	ND	ND	
GEW-046R	5/12/2020	47	38	ND	14	ND	ND	
GEW-046R	6/10/2020	44	36	ND	19	ND	ND	
GEW-046R	7/8/2020	49	39	ND	11	ND	ND	
GEW-046R	8/12/2020	51	44	ND	3.8	ND	ND	
GEW-046R	9/15/2020	52	44	ND	3.2	ND	ND	
GEW-047R	5/12/2020	48	40	ND	11	ND	ND	
GEW-047R	6/10/2020	46	39	ND	14	ND	ND	
GEW-047R	7/8/2020	49	42	ND	7.4	ND	ND	
GEW-047R	8/12/2020	51	42	ND	6.8	ND	ND	
GEW-047R	9/15/2020	50	42	ND	6.6	ND	ND	
GEW-048	5/12/2020	52	40	ND	6.6	ND	ND	
GEW-048	6/10/2020	51	40	ND	7.7	ND	ND	
GEW-048	7/8/2020	51	40	ND	7.7	ND	ND	
GEW-048	8/12/2020	52	40	ND	7.1	ND	ND	
GEW-048	9/15/2020	53	41	ND	5.4	ND	ND	
GEW-049	5/12/2020	45	37	ND	16	ND	ND	
GEW-049	6/9/2020	47	38	3.1	12	ND	ND	
GEW-049	6/24/2020	47	39	ND	14	ND	ND	See Note 3
GEW-049	7/8/2020	48	39	ND	12	ND	ND	
GEW-049	8/12/2020	48	40	ND	12	ND	ND	
GEW-049	9/14/2020	51	42	ND	6.6	ND	ND	
GEW-050	5/11/2020	52	39	ND	9.2	ND	ND	
GEW-050	6/8/2020	51	38	1.7	9.4	ND	ND	
GEW-050	6/24/2020	52	40	ND	7.1	ND	ND	
GEW-050	7/7/2020	52	39	ND	7.6	ND	ND	
GEW-050	8/10/2020	47	36	3.2	13	ND	ND	See Note 3
GEW-050	8/24/2020	52	40	ND	6.7	ND	ND	
GEW-050	9/9/2020	52	40	ND	6.6	ND	ND	
GEW-051	5/11/2020	52	43	ND	4.0	0.88	ND	
GEW-051	6/8/2020	51	42	ND	4.6	0.92	ND	
GEW-051	7/8/2020	52	43	ND	3.8	0.82	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
(%)								
GEW-051	8/10/2020	51	42	ND	4.6	0.95	ND	
GEW-051	9/14/2020	52	42	ND	3.7	0.84	ND	
GEW-052	5/11/2020	48	39	ND	12	ND	ND	
GEW-052	6/8/2020	47	38	1.7	13	ND	ND	
GEW-052	6/24/2020	49	39	ND	12	ND	ND	
GEW-052	7/7/2020	49	38	ND	12	ND	ND	
GEW-052	8/10/2020	50	40	ND	9.3	ND	ND	
GEW-052	9/9/2020	50	41	ND	8.6	ND	ND	
GEW-053	5/11/2020	48	44	ND	4.7	3.1	60	
GEW-053	6/8/2020	48	44	ND	4.3	3.2	61	
GEW-053	7/8/2020	48	44	ND	4.5	2.7	55	
GEW-053	8/10/2020	48	43	ND	4.7	3.2	56	
GEW-053	9/14/2020	48	44	ND	3.7	3.0	57	
GEW-054	5/11/2020	51	44	ND	ND	1.5	ND	
GEW-054	6/8/2020	50	44	ND	3.4	1.6	ND	
GEW-054	7/8/2020	50	44	ND	ND	1.4	ND	
GEW-054	8/11/2020	50	44	ND	3.5	1.6	ND	
GEW-054	9/14/2020	51	44	ND	ND	1.5	ND	
GEW-055	5/11/2020	49	43	ND	5.9	1.1	ND	
GEW-055	6/8/2020	49	42	ND	6.7	1.1	ND	
GEW-055	7/8/2020	50	43	ND	4.7	1.0	ND	
GEW-055	8/11/2020	50	44	ND	4.0	1.3	ND	
GEW-055	9/14/2020	50	44	ND	3.7	1.1	ND	
Flare Station ²	5/5/2020	23.5	36.5	5.4	28.5	4.9	145	See Note 9
Flare Station ²	6/3/2020	26.0	40.0	3.8	23.5	5.5	150	See Note 9
Flare Station ²	7/6/2020	26.0	40.0	3.7	24.0	5.3	150	See Note 9
Flare Station ²	8/4/2020	25.0	37.5	4.6	26.0	5.8	125	See Note 9
Flare Station ²	9/3/2020	28.5	40.0	3.7	21.5	6.0	130	See Note 9

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

ND = Analyte not detected in sample.

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

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide (ppm)	Comments
South Quarry								
GEW-010	5/12/2020	53	43	ND	ND	0.073	ND	
GEW-010	6/10/2020	52	44	ND	ND	0.060	ND	
GEW-010	7/15/2020	52	43	ND	3.5	0.056	ND	
GEW-010	8/12/2020	52	45	ND	ND	0.078	ND	
GEW-010	9/10/2020	53	44	ND	ND	0.066	ND	
GEW-013A	7/14/2020	9.6	37	3.4	38	11	260	
GEW-015	7/14/2020	21	48	ND	11	18	410	
GEW-016R	7/14/2020	8.1	51	ND	17	21	530	
GEW-018B	4/13/2020	6.2	44	2.5	23	24	630	
GEW-018B	7/14/2020	1.3	51	ND	3.9	41	740	
GEW-019A	7/13/2020	1.2	59	3.6	13	23	840	
GEW-039	5/13/2020	27	32	2.5	39	ND	ND	
GEW-039	6/10/2020	21	30	2.7	45	ND	ND	
GEW-039	7/17/2020	20	25	6.9	47	ND	ND	
GEW-039	8/13/2020	21	30	2.4	47	ND	ND	
GEW-039	9/11/2020	45	42	ND	12	ND	ND	
GEW-056R	5/12/2020	42	43	ND	12	2.8	53	
GEW-056R	6/10/2020	41	42	2.4	12	2.5	50	
GEW-056R	7/15/2020	45	45	ND	6.9	2.7	53	
GEW-056R	8/12/2020	44	45	ND	7.5	3.2	48	
GEW-056R	9/10/2020	45	45	ND	5.7	3.1	47	
GEW-057B	7/10/2020	0.98	32	9.2	32	24	310	See Note 4
GEW-058A	7/9/2020	8.2	35	2.5	32	22	490	
GEW-059R	7/6/2020	13	38	ND	22	26	470	
GEW-067A	7/14/2020	16	40	2.9	18	22	280	
GEW-068A	7/13/2020	3.1	54	ND	ND	38	1,000	
GEW-078R	7/14/2020	9.7	32	ND	43	13	380	
GEW-082R	7/14/2020	7.6	34	ND	39	18	440	
GEW-086	7/14/2020	13	31	2.5	44	8.3	100	
GEW-087	7/14/2020	20	45	ND	22	11	260	
GEW-088	7/14/2020	1.8	46	ND	6.7	43	1,000	
GEW-090	7/14/2020	19	42	ND	17	21	330	
GEW-091	5/13/2020	2.3	55	ND	4.3	36	380	
GEW-091	6/10/2020	2.2	51	2.3	8.0	34	340	
GEW-091	7/15/2020	2.0	49	2.0	7.5	36	320	
GEW-091	8/13/2020	2.5	48	1.8	6.1	38	350	
GEW-091	9/11/2020	2.3	46	2.3	7.9	38	340	
GEW-100	7/13/2020	13	51	3.6	13	18	280	
GEW-101	7/13/2020	34	62	ND	ND	ND	ND	
GEW-102	7/10/2020	30	42	3.3	12	12	82	
GEW-104	7/10/2020	10	52	ND	7.9	28	440	
GEW-105	7/10/2020	39	45	ND	3.9	11	210	
GEW-106	7/9/2020	10.0	47	ND	12	30	640	
GEW-107	7/9/2020	33	48	ND	5.1	12	370	
GEW-108	5/13/2020	37	48	ND	4.0	9.5	180	
GEW-108	6/10/2020	32	46	ND	4.6	16	260	
GEW-108	7/17/2020	38	47	ND	ND	12	190	
GEW-108	8/13/2020	37	45	ND	ND	13	180	
GEW-108	9/11/2020	37	45	ND	ND	14	210	
GEW-109	5/13/2020	41	44	1.5	13	0.37	ND	
GEW-109	6/10/2020	42	43	1.7	13	0.33	ND	
GEW-109	7/17/2020	40	42	2.1	16	0.41	ND	
GEW-109	8/13/2020	41	43	1.9	13	0.40	ND	
GEW-109	9/11/2020	42	43	1.8	12	0.44	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-110	5/12/2020	25	32	8.0	29	6.1	98	See Note 3
GEW-110	6/10/2020	28	35	6.3	26	4.6	90	See Note 4
GEW-110	7/15/2020	42	47	ND	ND	7.1	90	
GEW-110	8/12/2020	41	48	ND	ND	7.5	96	
GEW-110	9/10/2020	45	45	ND	4.9	3.7	62	
GEW-113	7/14/2020	10	56	ND	9.8	21	580	
GEW-116	7/14/2020	19	44	2.7	31	2.8	220	
GEW-117	7/14/2020	27	54	ND	15	2.0	150	
GEW-118	7/14/2020	1.5	57	ND	ND	36	330	
GEW-120	7/13/2020	27	40	3.0	29	0.15	38	
GEW-121	7/13/2020	25	46	ND	21	7.2	200	
GEW-122	7/13/2020	37	37	ND	18	7.1	240	
GEW-123	7/13/2020	29	60	ND	9.1	1.2	190	
GEW-124	7/13/2020	50	44	ND	4.9	ND	ND	
GEW-125	7/13/2020	38	46	ND	14	0.36	79	
GEW-126	7/13/2020	22	52	1.9	11	13	590	
GEW-127	7/13/2020	17	52	ND	15	14	730	
GEW-129	7/14/2020	35	53	ND	8.4	1.3	130	
GEW-130	7/13/2020	22	45	ND	14	17	830	
GEW-131	7/13/2020	38	46	ND	ND	12	520	
GEW-132	7/14/2020	11	29	3.1	47	9.5	350	
GEW-133	7/14/2020	3.5	34	ND	47	14	480	
GEW-134	7/14/2020	7.1	39	2.0	40	11	310	
GEW-135	7/14/2020	3.2	53	ND	12	30	630	
GEW-137	7/14/2020	37	42	ND	19	ND	ND	
GEW-139	7/13/2020	18	40	2.6	18	21	730	
GEW-140	7/13/2020	30	41	ND	14	13	250	
GEW-144	7/13/2020	38	41	4.5	16	0.12	ND	
GEW-145	7/10/2020	30	46	ND	ND	20	180	
GEW-147	7/14/2020	13	45	ND	22	17	360	
GEW-148	7/14/2020	18	51	ND	ND	27	990	
GEW-149	7/14/2020	9.1	29	ND	60	0.16	ND	
GEW-150	7/10/2020	25	44	2.4	15	14	310	
GEW-151	7/14/2020	5.9	44	2.0	11	36	620	
GEW-152	7/9/2020	23	48	ND	8.5	19	440	
GEW-153	7/6/2020	23	33	ND	40	2.9	170	
GEW-156	7/10/2020	30	44	ND	10	13	270	
GEW-157	7/10/2020	29	43	2.0	7.2	18	240	
GEW-158	7/10/2020	29	46	ND	9.6	14	310	
GEW-160	5/13/2020	22	39	ND	24	13	290	
GEW-160	6/10/2020	20	33	4.0	32	10	210	
GEW-160	7/15/2020	22	37	ND	27	12	230	
GEW-160	8/13/2020	24	33	3.8	29	11	170	
GEW-160	9/11/2020	30	38	ND	18	12	200	
GEW-161	5/13/2020	6.3	56	ND	4.5	32	1,000	
GEW-161	6/10/2020	5.4	54	ND	5.4	33	1,000	
GEW-161	7/15/2020	4.9	49	ND	7.3	37	1,100	
GEW-161	8/13/2020	6.4	51	ND	4.8	36	920	
GEW-161	9/11/2020	6.9	50	ND	5.8	35	920	
GEW-162	5/13/2020	12	65	ND	9.0	13	510	
GEW-162	6/10/2020	13	64	ND	9.6	11	460	
GEW-162	7/15/2020	13	58	ND	14	13	420	
GEW-162	8/13/2020	13	61	ND	12	12	420	
GEW-162	9/11/2020	14	63	1.6	11	9.3	420	
GEW-163	7/13/2020	28	58	ND	10	2.3	89	
GEW-164	7/13/2020	31	49	ND	18	ND	38	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-165	7/13/2020	16	43	4.3	28	7.7	230	
GEW-166	7/13/2020	7.4	40	5.3	26	21	1,100	See Note 4
GEW-167	7/13/2020	13	46	ND	8.6	32	1,200	
GEW-168	7/13/2020	37	55	ND	ND	3.4	86	
GEW-169	7/13/2020	18	45	2.0	25	9.8	420	
GEW-170	7/13/2020	10	37	4.2	35	13	560	
GEW-171	7/13/2020	24	59	2.7	10	3.3	190	
GEW-172	7/13/2020	24	45	1.7	11	18	630	
GEW-174	7/10/2020	14	37	ND	38	9.1	170	
GEW-175	7/10/2020	26	37	4.1	31	1.0	72	
GEW-177	7/13/2020	10	43	3.5	26	16	1,100	
GEW-178	7/10/2020	26	36	2.4	35	ND	ND	
GEW-179	7/10/2020	41	43	ND	15	ND	ND	
GEW-180	7/13/2020	33	62	ND	4.3	ND	ND	
GEW-181	7/13/2020	19	50	7.0	25	ND	ND	See Note 3
GEW-185	7/13/2020	29	50	ND	19	ND	ND	
GEW-186	7/13/2020	47	48	ND	ND	1.1	43	
GEW-187	5/13/2020	41	54	ND	ND	1.9	71	
GEW-187	6/10/2020	41	51	ND	4.2	2.1	66	
GEW-187	7/17/2020	43	53	ND	ND	1.4	50	
GEW-187	8/13/2020	42	53	ND	ND	2.1	45	
GEW-187	9/11/2020	42	51	ND	ND	2.0	42	
GEW-217	7/10/2020	32	46	ND	ND	18	210	
GEW-218	7/10/2020	21	46	ND	18	13	340	
GEW-220	7/10/2020	16	35	7.5	27	13	430	See Note 3
GEW-221	7/13/2020	26	56	ND	13	3.4	130	
GEW-222	7/13/2020	39	43	ND	8.7	7.7	110	
GEW-223	7/13/2020	31	64	ND	ND	0.76	200	
GEW-224	7/13/2020	32	59	ND	ND	4.2	400	
GEW-225	7/13/2020	14	50	ND	8.4	26	1,300	
GEW-226	7/13/2020	13	35	ND	37	13	480	
GEW-227	7/14/2020	1.4	43	2.0	22	30	580	
GEW-228	7/14/2020	3.5	28	5.1	44	18	220	See Note 4
GEW-229	7/14/2020	7.6	26	ND	56	7.5	160	
GEW-230	7/14/2020	3.2	30	2.6	53	10	190	
GEW-232	7/14/2020	26	56	ND	13	3.4	140	
GEW-233	7/14/2020	3.0	34	3.6	43	15	360	
GEW-234	7/14/2020	1.5	37	6.1	32	22	640	See Note 4
GEW-235	7/13/2020	23	50	ND	11	14	280	
GEW-236	7/14/2020	3.9	22	8.8	53	12	86	See Note 4
GEW-237	7/10/2020	30	41	4.3	23	1.7	83	
GEW-238	7/14/2020	16	54	1.9	14	14	360	
GEW-239	7/14/2020	1.3	50	ND	ND	43	950	
GEW-240	7/13/2020	2.1	39	1.7	30	25	580	
GIW-01	5/12/2020	28	57	ND	3.7	9.8	330	
GIW-01	6/10/2020	27	51	2.8	11	7.8	250	
GIW-01	7/15/2020	30	56	ND	4.0	9.4	250	
GIW-01	8/5/2020	27	54	ND	6.2	10	240	
GIW-01	9/10/2020	27	49	3.0	12	8.6	210	
GIW-02	5/12/2020	11	58	ND	15	14	550	
GIW-02	6/10/2020	14	54	ND	21	10	470	
GIW-02	7/15/2020	7.6	48	3.3	25	16	640	
GIW-02	8/5/2020	10	50	1.7	23	14	510	
GIW-02	9/10/2020	8.6	47	4.0	25	15	550	
GIW-03	5/13/2020	21	46	ND	21	11	410	
GIW-03	6/10/2020	24	44	ND	21	9.6	350	
GIW-03	7/15/2020	20	43	ND	25	11	330	
GIW-03	8/5/2020	22	44	ND	21	12	320	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GIW-03	9/10/2020	21	41	2.9	23	12	320	
GIW-04	5/13/2020	21	50	ND	6.9	20	650	
GIW-04	6/10/2020	23	48	ND	9.0	19	570	
GIW-04	7/15/2020	22	46	ND	9.7	20	470	
GIW-04	8/5/2020	23	47	ND	7.6	21	460	
GIW-04	9/10/2020	23	47	ND	7.1	22	480	
GIW-05	5/13/2020	23	47	ND	13	15	210	
GIW-05	6/10/2020	8.0	14	17	61	0.82	39	See Note 4
GIW-05	7/15/2020	30	39	1.7	19	10	110	
GIW-05	8/5/2020	27	36	3.1	23	10	100	
GIW-05	9/10/2020	35	39	1.7	13	12	120	
GIW-06	5/13/2020	26	40	1.8	29	3.0	33	
GIW-06	6/10/2020	38	45	ND	13	3.1	33	
GIW-06	7/15/2020	33	41	ND	22	2.8	ND	
GIW-06	8/12/2020	34	38	ND	23	3.5	32	
GIW-06	9/10/2020	37	40	ND	18	3.4	40	
GIW-07	5/13/2020	47	47	ND	5.5	ND	ND	
GIW-07	6/10/2020	50	45	ND	3.2	ND	ND	
GIW-07	7/15/2020	48	47	ND	4.2	ND	ND	
GIW-07	8/12/2020	50	46	ND	3.3	ND	ND	
GIW-07	9/10/2020	50	46	ND	ND	ND	ND	
GIW-08	5/13/2020	43	44	ND	12	ND	ND	
GIW-08	6/10/2020	46	46	ND	7.7	ND	ND	
GIW-08	7/15/2020	45	45	ND	9.4	ND	ND	
GIW-08	8/12/2020	44	43	1.9	11	ND	ND	
GIW-08	9/10/2020	29	40	2.0	20	8.7	84	
GIW-09	5/13/2020	21	40	ND	27	11	140	
GIW-09	6/10/2020	26	41	ND	22	9.3	110	
GIW-09	7/15/2020	25	39	ND	25	9.2	89	
GIW-09	8/12/2020	28	40	ND	20	9.8	84	
GIW-09	9/10/2020	47	45	ND	7.2	ND	ND	
GIW-10	5/13/2020	22	33	ND	37	6.6	120	
GIW-10	6/10/2020	25	34	ND	35	4.6	87	
GIW-10	7/15/2020	24	33	ND	35	6.5	84	
GIW-10	8/12/2020	25	33	ND	33	7.3	82	
GIW-10	9/10/2020	28	34	ND	28	7.5	98	
GIW-11	5/13/2020	23	33	1.9	40	2.2	150	
GIW-11	6/10/2020	26	36	ND	35	2.1	46	
GIW-11	7/15/2020	23	34	ND	40	1.9	83	
GIW-11	8/12/2020	24	33	2.1	38	2.4	100	
GIW-11	9/10/2020	27	35	ND	34	2.4	99	
GIW-12	5/13/2020	29	36	2.1	29	2.6	100	
GIW-12	6/10/2020	33	39	ND	25	2.1	72	
GIW-12	7/15/2020	29	36	2.2	30	2.4	73	
GIW-12	8/12/2020	31	37	1.9	27	2.7	69	
GIW-12	9/10/2020	34	38	ND	24	2.1	56	
GIW-13	5/13/2020	46	46	ND	3.7	3.4	59	
GIW-13	6/10/2020	47	45	ND	3.9	3.1	51	
GIW-13	7/15/2020	42	47	ND	6.5	4.2	62	
GIW-13	8/12/2020	38	45	ND	7.0	8.7	64	
GIW-13	9/10/2020	42	46	ND	6.6	4.3	62	

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



September 23, 2020

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



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

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

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

LABORATORY TEST RESULTS

Project Reference: Bridgeton Landfill
Lab Number: L091705-01/49

Enclosed are results for sample(s) received 9/17/20 by Air Technology Laboratories. Samples were received intact. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

Preliminary results were e-mailed to Mike Lambrich, Erin Fanning and Anthony Kimutis; Michele Clark, Dustin Thoenen and Don Murphy, Weaver Consultants Group; and Jan Feezor, Feezor Engineering on 9/22/20.

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

Sincerely,

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

Mark Johnson
Operations Manager

MJohnson@AirTechLabs.com

Enclosures

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



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

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				Initial Pressure
	Cannister ID	Sample Start	Sample End												
L091705-21	O1421	-20.7	-5	GEW 4	9/15/2020	9:02	C	LFG	NA	X					-4.5
-22	O1407	-20.9	-5	GEW 47R	9/15/2020	9:16	C	LFG	NA	X					-4.5
-23	O1412	-20.6	-5	GEW 5	9/15/2020	9:29	C	LFG	NA	X					-4.5
-24	O1420	-20.6	-5	GEW 48	9/15/2020	9:39	C	LFG	NA	X					-4.5
-25	O1415	-20.4	-5	GEW 6	9/15/2020	9:50	C	LFG	NA	X					-4.5

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

SAMPLED BY: Anthony Kimutis **COMPANY:** Republic Services **DATE/TIME:** 9/15/2020

RELINQUISHED BY: <i>Anto Kimutis</i> DATE/TIME: 9/16/2020	RECEIVED BY: _____ DATE/TIME: _____
RELINQUISHED BY: <i>FED Ex</i> DATE/TIME: 9/17/20	RECEIVED BY: <i>[Signature]</i> DATE/TIME: 9/17/20 1035
RELINQUISHED BY: _____ DATE/TIME: _____	RECEIVED BY: _____ DATE/TIME: _____

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

COMMENTS



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

CHAIN OF CUSTODY RECORD

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

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

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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2						
	Cannister ID	Sample Start	Sample End													
L091705-26	A8056	-19	-5	GIW 1	9/10/2020	10:24	C	LFG	NA	X						5
-27	3132	-20.4	-5	GIW 2	9/10/2020	10:51	C	LFG	NA	X						5
-28	5311	-20.5	-5	GIW 3	9/10/2020	11:01	C	LFG	NA	X						4
-29	A8068	-20.5	-5	GIW 4	9/10/2020	11:11	C	LFG	NA	X						5
-30	3440	-20.5	-5	GIW 5	9/10/2020	11:24	C	LFG	NA	X						5
-31	A7766	-20.4	-5	GIW 6	9/10/2020	11:33	C	LFG	NA	X						5
-32	5834	-20.6	-5	GIW 7	9/10/2020	11:42	C	LFG	NA	X						5
-33	A7804	-20.5	-5	GIW 8	9/10/2020	11:51	C	LFG	NA	X						5.5
-34	3838	-20.5	-5	GIW 9	9/10/2020	12:00	C	LFG	NA	X						5
-35	3439	-19.9	-5	GIW 10	9/10/2020	13:34	C	LFG	NA	X						5.5

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

SAMPLED BY: Andy Guthrie **COMPANY:** Hunt Environmental Services **DATE/TIME:** 9/10/2020

RELINQUISHED BY: [Signature] DATE/TIME: 9/10/2020	RECEIVED BY: [Signature] DATE/TIME:
RELINQUISHED BY: [Signature] DATE/TIME: 9/11/20	RECEIVED BY: [Signature] DATE/TIME: 9/17/20 10:45
RELINQUISHED BY:	RECEIVED BY:

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

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				Initial Pressure
	Cannister ID	Sample Start	Sample End												
L091705-46	5905	-20.7	-5	GEW 108	9/11/2020	11:11	C	LFG	NA	X					55
-47	5936	-19.9	-5	GEW 187	9/11/2020	13:49	C	LFG	NA	X					6
-48	6160	-20.2	-5	GEW 109	9/11/2020	14:05	C	LFG	NA	X					6
-49	A8055	-20.1	-5	GEW 39	9/11/2020	14:20	C	LFG	NA	X					55

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

SAMPLED BY: Andy Guthrie **COMPANY:** Hunt Environmental Services **DATE/TIME:** 9/11/2020

RELINQUISHED BY: *Andy Guthrie* **DATE/TIME:** 9/16/2020 **RECEIVED BY:** _____ **DATE/TIME:** _____

RELINQUISHED BY: *FedEx* **DATE/TIME:** 9/17/20 **RECEIVED BY:** *Jerry* **DATE/TIME:** 9/17/20 1635

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: 09/17/20
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	L091705-09	L091705-10	L091705-11	L091705-12				
Client Sample I.D.:	GEW 54	GEW 55	GEW 40	GEW 41R				
Date/Time Sampled:	9/14/20 10:39	9/14/20 11:01	9/14/20 11:10	9/14/20 13:36				
Date/Time Analyzed:	9/19/20 12:57	9/19/20 13:12	9/19/20 13:26	9/19/20 13:41				
QC Batch No.:	200919GC8A2	200919GC8A2	200919GC8A2	200919GC8A2				
Analyst Initials:	AS	AS	AS	AS				
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	1.5 d	0.032	1.1 d	0.032	ND d	0.032	ND d	0.032
Carbon Dioxide	44	0.032	44	0.032	35	0.032	37	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	ND	3.2	3.7	3.2	11	3.2	11	3.2
Methane	51	0.0032	50	0.0032	53	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 = Reported from a secondary analysis. QC batch: 200921GC8A1

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 9/22/20

The cover letter is an integral part of this analytical report



Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 09/17/20
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	L091705-13	L091705-14	L091705-15	L091705-16				
Client Sample I.D.:	GEW 42R	GEW 43R	GEW 44	GEW 49				
Date/Time Sampled:	9/14/20 13:47	9/14/20 14:03	9/14/20 14:19	9/14/20 14:37				
Date/Time Analyzed:	9/19/20 13:55	9/19/20 14:10	9/19/20 14:25	9/19/20 14:39				
QC Batch No.:	200919GC8A2	200919GC8A2	200919GC8A2	200919GC8A2				
Analyst Initials:	AS	AS	AS	AS				
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	0.100 d	0.032	ND d	0.032	ND d	0.032
Carbon Dioxide	40	0.032	43	0.032	39	0.032	42	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	5.6	3.2	3.2	3.2	10.0	3.2	6.6	3.2
Methane	53	0.0032	53	0.0032	50	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 = Reported from a secondary analysis. QC batch: 200921GC8A1

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 9/22/20

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 09/17/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L091705-17	L091705-18	L091705-19	L091705-20				
Client Sample I.D.:	GEW 45R	GEW 46R	GEW 2	GEW 3				
Date/Time Sampled:	9/14/20 14:51	9/15/20 8:26	9/15/20 8:39	9/15/20 8:51				
Date/Time Analyzed:	9/20/20 7:56	9/20/20 8:11	9/19/20 15:23	9/19/20 15:38				
QC Batch No.:	200919GC8A3	200919GC8A3	200919GC8A2	200919GC8A2				
Analyst Initials:	AS	AS	AS	AS				
Dilution Factor:	3.2	3.1	3.1	3.1				
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	0.031	ND d	0.031	ND d	0.031
Carbon Dioxide	41	0.032	44	0.031	42	0.031	44	0.031
Oxygen/Argon	ND	1.6	ND	1.5	ND	1.5	ND	1.5
Nitrogen	4.6	3.2	3.2	3.1	6.4	3.1	6.0	3.1
Methane	54	0.0032	52	0.0031	51	0.0031	49	0.0031
Carbon Monoxide	ND	0.0032	ND	0.0031	ND	0.0031	ND	0.0031


Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC batch: 200921GC8A1

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 9/22/20

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 09/17/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L091705-21	L091705-22	L091705-23	L091705-24				
Client Sample I.D.:	GEW 4	GEW 47R	GEW 5	GEW 48				
Date/Time Sampled:	9/15/20 9:02	9/15/20 9:16	9/15/20 9:29	9/15/20 9:39				
Date/Time Analyzed:	9/19/20 18:04	9/19/20 18:18	9/19/20 18:33	9/19/20 18:47				
QC Batch No.:	200919GC8A3	200919GC8A3	200919GC8A3	200919GC8A3				
Analyst Initials:	AS	AS	AS	AS				
Dilution Factor:	3.1	3.1	3.1	3.1				
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	0.031	ND d	0.031	ND d	0.031	ND d	0.031
Carbon Dioxide	41	0.031	42	0.031	39	0.031	41	0.031
Oxygen/Argon	ND	1.5	ND	1.5	ND	1.5	ND	1.5
Nitrogen	6.3	3.1	6.6	3.1	7.7	3.1	5.4	3.1
Methane	51	0.0031	50	0.0031	52	0.0031	53	0.0031
Carbon Monoxide	ND	0.0031	ND	0.0031	ND	0.0031	ND	0.0031

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC batch: 200921GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 9/22/20

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 09/17/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L091705-25	L091705-26	L091705-27	L091705-28				
Client Sample I.D.:	GEW 6	GIW 1	GIW 2	GIW 3				
Date/Time Sampled:	9/15/20 9:50	9/10/20 10:24	9/10/20 10:51	9/10/20 11:01				
Date/Time Analyzed:	9/19/20 19:02	9/19/20 19:17	9/19/20 19:31	9/19/20 19:46				
QC Batch No.:	200919GC8A3	200919GC8A3	200919GC8A3	200919GC8A3				
Analyst Initials:	AS	AS	AS	AS				
Dilution Factor:	3.1	3.2	3.2	3.0				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.031	8.6	3.2	15	3.2	12	3.0
Carbon Dioxide	41	0.031	49	0.032	47	0.032	41	0.030
Oxygen/Argon	ND	1.5	3.0	1.6	4.0	1.6	2.9	1.5
Nitrogen	4.8	3.1	12	3.2	25	3.2	23	3.0
Methane	54	0.0031	27	0.0032	8.6	0.0032	21	0.0030
Carbon Monoxide	ND	0.0031	0.021	0.0032	0.055	0.0032	0.032	0.0030

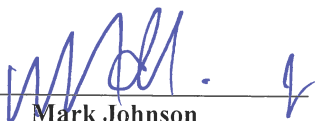
Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC batch: 200921GC8A2

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 9/22/20

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 09/17/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L091705-29	L091705-30	L091705-31	L091705-32				
Client Sample I.D.:	GIW 4	GIW 5	GIW 6	GIW 7				
Date/Time Sampled:	9/10/20 11:11	9/10/20 11:24	9/10/20 11:33	9/10/20 11:42				
Date/Time Analyzed:	9/19/20 20:00	9/19/20 20:15	9/20/20 9:55	9/20/20 10:09				
QC Batch No.:	200919GC8A3	200919GC8A3	200920GC8A1	200920GC8A1				
Analyst Initials:	AS	AS	AS	AS				
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	22	3.2	12	3.2	3.4 d	0.032	ND d	0.032
Carbon Dioxide	47	0.032	39	0.032	40	0.032	46	0.032
Oxygen/Argon	ND	1.6	1.7	1.6	ND	1.6	ND	1.6
Nitrogen	7.1	3.2	13	3.2	18	3.2	ND	3.2
Methane	23	0.0032	35	0.0032	37	0.0032	50	0.0032
Carbon Monoxide	0.048	0.0032	0.012	0.0032	0.0040	0.0032	ND	0.0032

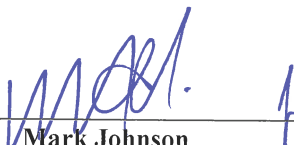
Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC batch: 200921GC8A2

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 9/22/20

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 09/17/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L091705-37	L091705-38	L091705-39	L091705-40				
Client Sample I.D.:	GIW 12	GIW 13	GEW 110	GEW 10				
Date/Time Sampled:	9/10/20 14:01	9/10/20 14:09	9/10/20 14:18	9/10/20 14:27				
Date/Time Analyzed:	9/20/20 11:22	9/20/20 11:36	9/20/20 11:51	9/20/20 12:05				
QC Batch No.:	200920GC8A1	200920GC8A1	200920GC8A1	200920GC8A1				
Analyst Initials:	AS	AS	AS	AS				
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	2.1 d	0.032	4.3 d	0.032	3.7 d	0.032	0.066 d	0.032
Carbon Dioxide	38	0.032	46	0.032	45	0.032	44	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	24	3.2	6.6	3.2	4.9	3.2	ND	3.2
Methane	34	0.0032	42	0.0032	45	0.0032	53	0.0032
Carbon Monoxide	0.0056	0.0032	0.0062	0.0032	0.0062	0.0032	ND	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC batch: 200921GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 9/22/20

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 09/17/20
Matrix: Air
Reporting Units: % v/v

9/10/20

ASTM D1946

Lab No.:	L091705-41	L091705-42	L091705-43	L091705-44				
Client Sample I.D.:	GEW 56R	GEW 162	GEW 161	GEW 160				
Date/Time Sampled:	9/11/20 14:36	9/11/20 10:27	9/11/20 10:36	9/11/20 10:45				
Date/Time Analyzed:	9/20/20 12:20	9/20/20 12:34	9/20/20 12:49	9/20/20 13:03				
QC Batch No.:	200920GC8A1	200920GC8A1	200920GC8A1	200920GC8A1				
Analyst Initials:	AS	AS	AS	AS				
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	3.1 d	0.032	9.3	3.2	35	3.2	12	3.2
Carbon Dioxide	45	0.032	63	0.032	50	0.032	38	0.032
Oxygen/Argon	ND	1.6	1.6	1.6	ND	1.6	ND	1.6
Nitrogen	5.7	3.2	11	3.2	5.8	3.2	18	3.2
Methane	45	0.0032	14	0.0032	6.9	0.0032	30	0.0032
Carbon Monoxide	0.0047	0.0032	0.042	0.0032	0.092	0.0032	0.020	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC batch: 200921GC8A2

Reviewed/Approved By: _____

Mark Johnson

Mark Johnson
Operations Manager

Date _____

9/22/20

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 09/17/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L091705-45	L091705-46	L091705-47	L091705-48				
Client Sample I.D.:	GEW 91	GEW 108	GEW 187	GEW 109				
Date/Time Sampled:	9/11/20 10:54	9/11/20 11:11	9/11/20 13:49	9/11/20 14:05				
Date/Time Analyzed:	9/20/20 13:18	9/20/20 13:32	9/20/20 13:47	9/20/20 14:02				
QC Batch No.:	200920GC8A1	200920GC8A1	200920GC8A1	200920GC8A1				
Analyst Initials:	AS	AS	AS	AS				
Dilution Factor:	3.2	3.3	3.4	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	38	3.2	14	3.3	2.0 d	0.034	0.44 d	0.034
Carbon Dioxide	46	0.032	45	0.033	51	0.034	43	0.034
Oxygen/Argon	2.3	1.6	ND	1.6	ND	1.7	1.8	1.7
Nitrogen	7.9	3.2	ND	3.3	ND	3.4	12	3.4
Methane	2.3	0.0032	37	0.0033	42	0.0034	42	0.0034
Carbon Monoxide	0.034	0.0032	0.021	0.0033	0.0042	0.0034	ND	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC batch: 200921GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 9/22/20

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 09/17/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L091705-49						
Client Sample I.D.:	GEW 39						
Date/Time Sampled:	9/11/20 14:20						
Date/Time Analyzed:	9/20/20 14:16						
QC Batch No.:	200920GC8A1						
Analyst Initials:	AS						
Dilution Factor:	3.3						
ANALYTE	Result % v/v	RL % v/v					
Hydrogen	ND d	0.033					
Carbon Dioxide	42	0.033					
Oxygen/Argon	ND	1.6					
Nitrogen	12	3.3					
Methane	45	0.0033					
Carbon Monoxide	ND	0.0033					

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC batch: 200921GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 9/22/20

The cover letter is an integral part of this analytical report



QC Batch No: 200921GC8A2
 Matrix: Air
 Reporting Units: % v/v

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

Lab No.:	METHOD BLANK		LCS	LCS D	Limits							
Date Analyzed:	9/21/20 10:52		9/21/20 10:42	9/21/20 10:47								
Analyst Initials:	AS		AS	AS								
Dilution Factor:	1.0		1.0	1.0								
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD	
Hydrogen	ND	0.010	1.0	0.876	88	0.877	88	0.0	70	130	30	

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

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 9/22/20

The cover letter is an integral part of this analytical report



ATTACHMENT D

GAS WELLFIELD DATA

ATTACHMENT D-1

WELLFIELD DATA TABLE

September 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-002	9/1/2020 9:58:42 AM	55.4	41.4	0.0	3.2	109.5	109.6	23.94	24.39	-1.07	-1.07	-13.36
GEW-002	9/1/2020 9:59:57 AM	55.2	42.1	0.0	2.7	110.0	110.0	24.50	24.06	-1.40	-1.42	-13.83
GEW-002	9/10/2020 2:23:41 PM	54.1	38.3	0.0	7.6	113.2	113.2	24.64	24.44	-0.56	-0.59	-13.86
GEW-002	9/15/2020 8:36:15 AM	53.5	42.6	0.0	3.9	110.8	110.9	21.91	20.89	-0.59	-0.63	-13.73
GEW-002	9/15/2020 8:42:17 AM	53.7	41.0	0.0	5.3	110.8	110.7	27.74	24.09	-0.79	-0.80	-13.86
GEW-002	9/21/2020 11:38:12 AM	54.1	40.0	0.0	5.9	112.5	112.5	20.67	22.83	-0.92	-0.94	-13.06
GEW-002	9/29/2020 11:15:39 AM	51.7	40.1	0.0	8.2	110.7	110.7	20.87	23.32	-1.07	-1.07	-13.31
GEW-003	9/1/2020 1:39:33 PM	53.1	42.6	0.0	4.3	108.2	108.2	11.10	11.42	-0.16	-0.20	-13.07
GEW-003	9/11/2020 7:47:03 AM	53.0	43.8	0.0	3.2	101.3	NR	11.53	12.31	-0.24	-0.23	-13.52
GEW-003	9/15/2020 8:48:19 AM	52.6	42.4	0.0	5.0	99.7	100.1	10.20	11.15	-0.16	-0.16	-13.10
GEW-003	9/15/2020 8:55:23 AM	52.3	43.2	0.0	4.5	100.4	100.5	10.55	10.19	-0.17	-0.18	-13.31
GEW-003	9/21/2020 11:40:48 AM	52.5	41.3	0.0	6.2	110.7	110.7	28.06	25.62	-0.07	-0.06	-12.51
GEW-003	9/21/2020 11:42:10 AM	52.1	42.5	0.0	5.4	111.2	111.2	27.79	25.46	-0.10	-0.12	-12.64
GEW-003	9/29/2020 11:19:56 AM	50.4	42.3	0.0	7.3	101.1	101.1	5.45	8.17	-0.09	-0.08	-12.93
GEW-004	9/1/2020 2:11:18 PM	54.5	40.3	0.0	5.2	111.8	111.7	23.22	22.70	-0.25	-0.24	-13.19
GEW-004	9/10/2020 2:27:57 PM	54.5	37.6	0.0	7.9	113.5	113.5	12.91	15.70	-0.24	-0.26	-13.27
GEW-004	9/15/2020 8:58:41 AM	53.7	42.9	0.0	3.4	110.6	110.5	15.27	15.27	-0.34	-0.34	-13.10
GEW-004	9/15/2020 9:06:04 AM	54.2	41.3	0.0	4.5	110.8	110.9	12.94	10.45	-0.37	-0.37	-13.65
GEW-004	9/21/2020 11:45:08 AM	53.7	41.3	0.0	5.0	112.0	112.1	12.06	8.94	-0.30	-0.33	-13.18
GEW-004	9/29/2020 11:23:22 AM	54.4	42.0	0.0	3.6	108.9	108.8	12.09	14.05	-0.24	-0.24	-13.31
GEW-005	9/2/2020 7:50:26 AM	54.3	38.4	0.0	7.3	83.1	82.6	9.54	13.07	-0.29	-0.30	-13.28
GEW-005	9/11/2020 7:51:23 AM	54.4	40.2	0.0	5.4	83.1	83.1	9.16	8.58	-0.11	-0.12	-13.65
GEW-005	9/15/2020 9:26:31 AM	54.5	39.8	0.0	5.7	84.7	84.7	6.77	6.77	-0.13	-0.13	-13.48
GEW-005	9/15/2020 9:32:26 AM	54.8	38.8	0.0	6.4	84.5	84.4	12.05	12.36	-0.11	-0.11	-13.23
GEW-005	9/22/2020 8:35:22 AM	55.0	39.7	0.0	5.3	81.2	81.2	15.44	15.44	-0.11	-0.11	-13.65
GEW-005	9/29/2020 11:34:01 AM	55.3	40.1	0.0	4.6	81.2	81.2	8.32	4.80	0.04	0.05	-13.14
GEW-005	9/29/2020 11:37:05 AM	55.5	39.7	0.0	4.8	81.5	81.4	7.34	5.55	0.03	0.03	-13.35
GEW-005	9/30/2020 9:41:48 AM	56.3	38.4	0.0	5.3	85.1	85.1	13.25	12.96	-0.06	-0.06	-13.56
GEW-006	9/2/2020 7:57:14 AM	56.8	39.8	0.0	3.4	83.6	83.7	14.28	15.79	-0.66	-0.64	-13.45
GEW-006	9/11/2020 7:59:32 AM	56.8	40.6	0.0	2.6	84.7	84.7	23.91	23.91	-0.40	-0.40	-12.93
GEW-006	9/15/2020 9:46:41 AM	56.7	40.1	0.0	3.2	85.2	85.2	22.43	23.10	-0.38	-0.39	-13.52
GEW-006	9/15/2020 9:52:28 AM	57.1	40.2	0.0	2.7	85.2	85.1	21.20	16.79	-0.40	-0.40	-13.06
GEW-006	9/22/2020 8:42:22 AM	56.4	40.7	0.0	2.9	83.7	83.7	21.94	22.29	-0.42	-0.42	-13.52
GEW-006	9/22/2020 8:43:48 AM	56.6	40.2	0.0	3.2	84.0	84.0	23.61	23.28	-0.50	-0.51	-13.69
GEW-006	9/29/2020 11:43:05 AM	56.3	40.3	0.0	3.4	83.3	83.4	15.89	19.94	-0.37	-0.37	-13.48
GEW-007	9/1/2020 8:09:29 AM	56.0	41.4	0.0	2.6	92.9	92.9	12.53	12.53	-5.23	-5.23	-13.28
GEW-007	9/9/2020 9:06:04 AM	56.0	41.3	0.0	2.7	93.1	93.0	8.51	9.32	-5.87	-5.87	-13.66
GEW-007	9/9/2020 9:13:15 AM	55.9	41.6	0.0	2.5	93.1	93.1	11.42	8.92	-5.87	-5.87	-13.02
GEW-007	9/15/2020 10:04:00 AM	56.3	42.3	0.0	1.4	93.9	94.1	13.53	14.07	-5.29	-5.16	-13.90
GEW-007	9/21/2020 9:27:52 AM	56.6	40.2	0.0	3.2	92.4	92.5	10.48	11.16	-5.71	-5.67	-13.61

September 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-007	9/29/2020 9:18:00 AM	56.7	41.8	0.0	1.5	90.2	90.1	10.15	10.85	-5.75	-5.75	-13.40
GEW-008	9/1/2020 8:13:40 AM	52.8	43.8	0.0	3.4	111.2	111.2	11.87	11.25	-0.79	-0.79	-13.49
GEW-008	9/10/2020 9:15:35 AM	53.8	43.9	0.0	2.3	111.5	111.6	17.03	17.45	-0.86	-0.88	-13.98
GEW-008	9/10/2020 9:17:02 AM	53.7	43.9	0.0	2.4	111.8	111.8	15.47	15.47	-0.92	-0.92	-13.73
GEW-008	9/14/2020 8:26:08 AM	56.6	42.4	0.0	1.0	111.5	111.7	19.97	22.20	-1.05	-1.03	-13.94
GEW-008	9/14/2020 8:33:17 AM	55.7	42.4	0.0	1.9	112.0	112.2	24.52	23.46	-1.05	-1.07	-14.20
GEW-008	9/21/2020 9:31:43 AM	53.9	41.8	0.0	4.3	111.2	111.2	15.24	16.38	-0.95	-0.95	-14.15
GEW-008	9/29/2020 9:22:55 AM	53.5	43.8	0.0	2.7	110.0	110.2	22.72	22.72	-0.87	-0.87	-13.48
GEW-009	9/1/2020 8:17:20 AM	51.9	42.9	0.0	5.2	121.0	120.5	10.52	10.52	-0.12	-0.12	-13.57
GEW-009	9/10/2020 9:20:31 AM	51.7	42.4	0.0	5.9	120.5	120.5	14.90	12.27	-0.23	-0.23	-13.94
GEW-009	9/14/2020 8:37:35 AM	53.9	42.9	0.0	3.2	119.9	119.8	17.39	17.45	-0.25	-0.25	-13.94
GEW-009	9/14/2020 8:43:45 AM	54.0	42.7	0.0	3.3	120.2	119.7	17.76	17.35	-0.22	-0.23	-13.73
GEW-009	9/21/2020 9:35:04 AM	50.9	41.9	0.0	7.2	120.0	119.9	11.04	10.71	-0.21	-0.20	-13.73
GEW-009	9/29/2020 9:26:00 AM	52.0	43.5	0.0	4.5	118.9	118.6	23.98	24.72	-0.17	-0.19	-13.44
GEW-010	9/1/2020 1:47:05 PM	55.1	43.2	0.0	1.7	96.7	96.5	3.37	3.18	-5.41	-5.41	-19.08
GEW-010	9/10/2020 2:24:14 PM	56.0	42.3	0.2	1.5	98.7	98.7	4.30	4.30	-5.15	-5.15	-18.77
GEW-010	9/10/2020 2:29:49 PM	56.3	41.1	0.2	2.4	98.7	98.9	4.63	4.65	-5.45	-5.45	-18.48
GEW-010	9/16/2020 9:53:15 AM	54.9	44.9	0.2	0.0	93.1	93.1	5.04	6.07	-4.90	-4.90	-19.32
GEW-010	9/23/2020 9:25:14 AM	55.6	42.4	0.0	2.0	87.7	87.7	4.69	4.55	-5.07	-5.07	-19.28
GEW-010	9/28/2020 10:25:00 AM	55.5	44.5	0.0	0.0	83.7	84.2	5.25	4.28	-5.07	-5.07	-19.66
GEW-013A	9/3/2020 1:58:29 PM	8.3	70.7	0.4	20.6	194.3	194.3	15.67	15.53	-5.62	-5.62	-19.38
GEW-013A	9/3/2020 2:00:14 PM	8.7	69.7	0.3	21.3	194.3	194.3	9.98	10.04	-2.04	-2.04	-19.50
GEW-013A	9/16/2020 11:20:27 AM	7.0	75.4	0.0	17.6	193.5	193.6	11.35	7.72	-1.74	-1.74	-18.96
GEW-013A	9/16/2020 11:21:50 AM	6.7	78.7	0.0	14.6	193.6	193.6	10.31	9.41	-1.73	-1.69	-19.67
GEW-015	9/4/2020 1:57:22 PM	27.0	52.0	0.0	21.0	122.3	122.3	7.57	6.75	-2.90	-2.89	-19.55
GEW-015	9/23/2020 11:15:13 AM	28.1	51.3	0.0	20.6	112.0	112.0	4.10	3.28	-2.82	-2.80	-18.94
GEW-016R	9/4/2020 2:08:23 PM	10.5	57.0	0.0	32.5	156.9	157.3	11.49	10.25	-3.05	-3.04	-19.71
GEW-016R	9/4/2020 2:09:31 PM	10.4	57.6	0.0	32.0	162.0	160.2	12.43	12.31	-2.99	-2.98	-19.76
GEW-016R	9/17/2020 2:35:56 PM	10.7	54.7	0.0	34.6	164.7	164.3	12.48	12.41	-2.80	-2.79	-19.03
GEW-016R	9/17/2020 2:37:10 PM	10.7	54.6	0.0	34.7	164.7	164.3	12.24	12.57	-2.80	-2.80	-18.77
GEW-018B	9/8/2020 9:52:18 AM	2.0	62.7	0.4	34.9	200.1	200.1	24.80	24.86	-0.87	-0.86	-19.55
GEW-018B	9/8/2020 9:53:50 AM	1.7	61.2	0.3	36.8	200.1	200.0	24.67	23.82	-0.86	-0.86	-19.38
GEW-018B	9/18/2020 10:48:20 AM	3.4	48.2	2.5	45.9	196.4	196.4	22.84	22.72	-1.04	-1.05	-18.82
GEW-018B	9/18/2020 10:49:39 AM	3.2	50.2	2.4	44.2	196.4	196.4	23.16	23.43	-1.07	-1.06	-19.37
GEW-019A	9/11/2020 2:08:57 PM	1.8	60.9	4.6	32.7	105.3	105.2	6.26	6.26	-17.08	-17.08	-18.07
GEW-019A	9/23/2020 1:54:56 PM	1.0	53.8	7.7	37.5	81.7	81.7	1.94	3.88	-17.89	-17.89	-18.96
GEW-019A	9/23/2020 1:59:44 PM	1.1	60.9	6.3	31.7	80.9	80.8	2.97	3.18	-16.70	-16.53	-18.70
GEW-019A	9/29/2020 2:26:02 PM	1.0	70.8	2.8	25.4	67.0	67.0	1.64	6.68	-13.78	-13.78	-19.12
GEW-039	9/1/2020 1:52:21 PM	38.0	37.5	0.3	24.2	106.3	106.3	10.50	10.84	-0.05	-0.06	-19.50
GEW-039	9/11/2020 2:17:00 PM	52.5	40.1	0.0	7.4	109.0	109.0	7.61	7.61	-0.01	-0.01	-19.20

September 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-039	9/11/2020 2:22:00 PM	52.1	39.9	0.0	8.0	108.3	108.3	8.52	8.08	-0.04	-0.03	-19.41
GEW-039	9/11/2020 5:06:53 PM	48.6	40.4	0.0	11.0	107.8	107.8	8.95	10.45	-0.07	-0.08	-19.83
GEW-039	9/16/2020 9:58:38 AM	44.1	41.9	0.3	13.7	104.5	104.4	10.11	8.54	-0.05	-0.05	-19.49
GEW-039	9/23/2020 10:09:08 AM	44.5	39.3	0.2	16.0	102.3	102.4	4.69	2.71	-0.02	-0.03	-18.31
GEW-039	9/28/2020 10:32:02 AM	43.9	42.0	0.3	13.8	99.1	99.4	6.07	7.68	0.02	0.01	-17.93
GEW-039	9/28/2020 10:34:11 AM	44.1	42.1	0.2	13.6	100.6	100.8	8.13	8.13	-0.05	-0.05	-19.53
GEW-040	9/1/2020 8:42:19 AM	59.5	36.2	0.0	4.3	74.1	74.1	10.61	10.61	-0.27	-0.27	-13.15
GEW-040	9/1/2020 8:43:36 AM	59.9	35.5	0.0	4.6	74.1	74.1	10.96	10.60	-0.50	-0.51	-13.40
GEW-040	9/10/2020 9:42:34 AM	53.1	34.6	0.0	12.3	75.0	75.0	9.65	9.65	-0.38	-0.38	-13.14
GEW-040	9/10/2020 9:43:56 AM	53.1	34.3	0.0	12.6	75.0	75.0	9.66	9.66	-0.26	-0.26	-13.48
GEW-040	9/14/2020 11:07:13 AM	55.0	35.9	0.0	9.1	85.6	85.6	17.45	17.01	-0.42	-0.41	-13.14
GEW-040	9/14/2020 11:12:17 AM	55.7	34.3	0.0	10.0	85.8	85.8	18.71	18.09	-0.44	-0.44	-13.06
GEW-040	9/21/2020 10:09:29 AM	55.1	35.6	0.0	9.3	76.1	76.4	7.87	7.92	-0.37	-0.37	-13.06
GEW-040	9/29/2020 10:14:00 AM	59.1	37.0	0.0	3.9	62.3	62.3	2.82	2.82	-0.26	-0.26	-13.14
GEW-040	9/29/2020 10:15:15 AM	59.4	36.1	0.0	4.5	62.3	62.3	7.98	5.64	-0.49	-0.48	-12.97
GEW-041R	9/1/2020 8:47:51 AM	54.5	36.8	0.0	8.7	83.3	83.3	9.38	10.52	-0.12	-0.12	-12.94
GEW-041R	9/10/2020 1:51:42 PM	53.3	35.5	0.0	11.2	91.5	91.5	12.59	12.59	-0.08	-0.08	-13.18
GEW-041R	9/14/2020 1:32:45 PM	53.4	35.4	0.0	11.2	92.2	92.3	9.51	8.68	-0.07	-0.06	-13.14
GEW-041R	9/14/2020 1:38:33 PM	53.3	35.2	0.0	11.5	91.5	91.5	9.11	7.27	-0.05	-0.07	-13.14
GEW-041R	9/21/2020 10:13:12 AM	53.7	35.7	0.0	10.6	90.1	90.1	6.74	7.28	-0.10	-0.10	-13.06
GEW-041R	9/29/2020 10:18:45 AM	56.3	36.6	0.0	7.1	76.6	76.6	7.88	7.37	-0.09	-0.09	-12.93
GEW-042R	9/1/2020 8:51:13 AM	56.1	39.5	0.0	4.4	103.0	103.0	12.77	10.94	-3.03	-3.04	-10.87
GEW-042R	9/1/2020 8:52:40 AM	56.0	39.7	0.0	4.3	103.0	103.1	13.05	11.27	-3.05	-3.05	-10.57
GEW-042R	9/10/2020 1:54:37 PM	55.9	36.6	0.0	7.5	104.8	104.9	14.51	14.00	-3.09	-3.09	-9.98
GEW-042R	9/14/2020 1:43:49 PM	56.6	38.0	0.0	5.4	104.8	104.8	10.44	10.44	-3.04	-3.03	-9.60
GEW-042R	9/14/2020 1:50:44 PM	56.5	38.5	0.0	5.0	104.8	104.8	12.35	12.35	-3.05	-3.05	-9.86
GEW-042R	9/21/2020 10:17:59 AM	55.9	38.9	0.0	5.2	104.0	104.0	5.66	5.49	-3.02	-3.00	-9.01
GEW-042R	9/29/2020 10:21:40 AM	58.0	38.8	0.0	3.2	101.1	101.1	6.62	10.12	-3.00	-3.03	-9.01
GEW-042R	9/29/2020 10:23:36 AM	57.3	39.9	0.0	2.8	101.3	101.3	11.46	11.14	-3.26	-3.25	-9.52
GEW-043R	9/1/2020 8:55:50 AM	55.9	41.6	0.0	2.5	114.0	113.7	15.26	16.60	-1.14	-1.14	-13.62
GEW-043R	9/10/2020 1:58:09 PM	56.5	39.0	0.0	4.5	115.0	115.0	16.76	19.90	-1.06	-1.06	-13.73
GEW-043R	9/14/2020 1:59:42 PM	56.4	40.7	0.0	2.9	115.0	115.0	12.59	11.02	-0.97	-0.99	-13.48
GEW-043R	9/14/2020 2:09:53 PM	56.2	41.0	0.0	2.8	114.8	115.0	14.21	15.84	-1.01	-1.02	-13.90
GEW-043R	9/21/2020 10:21:32 AM	56.1	41.0	0.0	2.9	114.5	114.3	14.94	14.20	-1.18	-1.19	-13.69
GEW-043R	9/21/2020 10:22:48 AM	55.8	41.4	0.0	2.8	114.7	114.8	14.94	11.38	-1.21	-1.21	-13.98
GEW-043R	9/29/2020 10:27:27 AM	56.6	41.9	0.0	1.5	113.0	113.0	12.61	12.61	-1.12	-1.13	-13.40
GEW-043R	9/29/2020 10:28:39 AM	56.2	42.0	0.0	1.8	113.3	113.2	15.67	14.96	-1.20	-1.21	-13.35
GEW-044	9/1/2020 8:59:01 AM	54.6	39.1	0.0	6.3	75.9	75.9	2.11	1.77	-0.05	-0.05	-12.94
GEW-044	9/10/2020 2:02:05 PM	52.9	36.4	0.0	10.7	88.4	88.4	2.78	2.36	-0.04	-0.03	-12.85
GEW-044	9/14/2020 2:15:36 PM	52.8	38.1	0.0	9.1	93.4	93.4	0.67	0.64	0.05	0.04	-13.27

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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-044	9/14/2020 2:23:53 PM	52.8	37.8	0.0	9.4	90.8	90.8	1.26	1.26	-0.17	-0.16	-13.14
GEW-044	9/21/2020 10:30:13 AM	49.1	36.8	0.0	14.1	88.9	89.0	0.73	0.52	-0.30	-0.30	-13.40
GEW-044	9/21/2020 10:31:15 AM	48.9	37.4	0.0	13.7	86.2	86.1	1.16	0.73	-0.13	-0.13	-13.06
GEW-044	9/29/2020 10:33:10 AM	51.5	39.0	0.0	9.5	71.4	71.4	1.28	1.17	-0.39	-0.39	-12.85
GEW-045R	9/1/2020 9:47:26 AM	56.1	39.1	0.1	4.7	95.0	95.0	13.10	11.63	-4.31	-4.30	-12.94
GEW-045R	9/10/2020 2:09:46 PM	56.3	37.9	0.0	5.8	98.4	98.4	12.09	12.09	-4.01	-4.00	-13.23
GEW-045R	9/14/2020 2:48:24 PM	56.4	39.3	0.0	4.3	100.4	100.6	3.36	3.25	-4.02	-4.02	-13.14
GEW-045R	9/14/2020 2:55:59 PM	56.3	38.8	0.0	4.9	100.8	100.8	8.09	8.09	-4.07	-4.07	-12.81
GEW-045R	9/21/2020 11:16:52 AM	57.0	39.5	0.0	3.5	98.0	98.0	7.65	8.11	-4.22	-4.22	-13.06
GEW-045R	9/21/2020 11:18:38 AM	57.0	39.5	0.0	3.5	98.0	98.1	4.91	4.91	-4.24	-4.24	-13.06
GEW-045R	9/29/2020 10:58:27 AM	57.0	40.8	0.0	2.2	93.9	93.9	8.14	7.67	-4.44	-4.44	-12.89
GEW-045R	9/29/2020 11:01:11 AM	57.0	40.5	0.0	2.5	94.1	94.1	7.66	8.98	-4.86	-4.85	-13.14
GEW-046R	9/1/2020 9:50:18 AM	54.7	42.9	0.0	2.4	102.1	102.3	11.98	11.67	-0.22	-0.22	-12.94
GEW-046R	9/1/2020 9:51:47 AM	54.0	43.9	0.0	2.1	101.8	101.8	11.98	11.98	-0.26	-0.26	-12.94
GEW-046R	9/10/2020 2:13:18 PM	55.1	40.7	0.0	4.2	106.2	105.7	11.50	11.70	-0.01	-0.02	-13.23
GEW-046R	9/10/2020 2:16:26 PM	54.5	41.0	0.0	4.5	106.0	106.5	17.78	18.88	-0.03	-0.07	-13.23
GEW-046R	9/15/2020 8:23:08 AM	55.9	42.8	0.0	1.3	100.6	100.4	10.78	12.66	-0.02	-0.02	-13.40
GEW-046R	9/15/2020 8:31:37 AM	54.7	44.4	0.0	0.9	100.4	100.5	15.44	14.66	-0.05	-0.04	-13.10
GEW-046R	9/21/2020 11:27:15 AM	56.0	41.1	0.0	2.9	103.8	103.9	2.35	2.27	0.01	0.01	-13.06
GEW-046R	9/21/2020 11:28:36 AM	55.3	42.4	0.0	2.3	103.8	104.0	2.72	2.72	0.01	0.00	-13.06
GEW-046R	9/22/2020 8:29:40 AM	56.1	41.5	0.0	2.4	98.2	98.4	14.70	15.92	-0.14	-0.14	-13.06
GEW-046R	9/29/2020 11:04:29 AM	55.1	43.3	0.0	1.6	101.0	101.3	7.71	7.71	0.06	0.05	-12.89
GEW-046R	9/29/2020 11:05:50 AM	54.8	43.5	0.0	1.7	101.1	101.6	8.17	8.61	0.05	0.05	-12.85
GEW-046R	9/30/2020 9:46:34 AM	56.7	40.7	0.0	2.6	96.7	96.8	15.22	14.21	-0.06	-0.05	-13.23
GEW-046R	9/30/2020 9:48:15 AM	55.8	41.6	0.0	2.6	97.7	97.7	14.71	14.19	-0.07	-0.07	-13.23
GEW-047R	9/1/2020 2:16:32 PM	53.9	41.6	0.0	4.5	103.3	103.4	5.41	3.83	0.06	0.05	-13.23
GEW-047R	9/1/2020 2:18:54 PM	54.1	41.7	0.0	4.2	103.5	103.9	6.98	7.00	0.09	0.09	-12.94
GEW-047R	9/2/2020 7:45:22 AM	54.3	41.8	0.0	3.9	102.1	102.1	6.63	6.63	-0.38	-0.38	-13.11
GEW-047R	9/10/2020 2:34:39 PM	53.1	40.4	0.0	6.5	106.7	106.7	17.14	15.09	-0.01	-0.01	-13.31
GEW-047R	9/15/2020 9:12:46 AM	52.5	42.7	0.0	4.8	103.2	103.0	15.85	14.95	-0.11	-0.10	-13.31
GEW-047R	9/15/2020 9:19:22 AM	52.9	42.5	0.0	4.6	103.1	103.1	24.61	24.46	-0.13	-0.13	-13.69
GEW-047R	9/21/2020 11:50:33 AM	52.3	41.8	0.0	5.9	107.0	107.1	6.06	3.83	-0.05	-0.07	-13.06
GEW-047R	9/29/2020 11:29:50 AM	52.8	42.5	0.0	4.7	100.9	100.6	7.21	6.67	-0.03	-0.03	-13.27
GEW-047R	9/29/2020 11:30:47 AM	52.8	42.6	0.0	4.6	101.1	101.1	9.82	9.82	-0.04	-0.04	-12.97
GEW-048	9/2/2020 7:53:11 AM	55.6	39.9	0.0	4.5	96.2	96.2	17.19	16.97	-0.72	-0.72	-13.15
GEW-048	9/11/2020 7:55:41 AM	55.9	39.8	0.0	4.3	96.7	96.7	15.92	15.92	-0.48	-0.48	-14.15
GEW-048	9/15/2020 9:36:06 AM	55.5	40.6	0.0	3.9	97.2	97.2	17.05	15.92	-0.49	-0.51	-14.24
GEW-048	9/15/2020 9:42:12 AM	55.5	40.8	0.0	3.7	97.0	97.0	16.66	16.60	-0.44	-0.44	-14.41
GEW-048	9/22/2020 8:38:36 AM	55.4	40.5	0.0	4.1	95.9	95.8	28.67	28.14	-0.49	-0.51	-14.11
GEW-048	9/29/2020 11:40:20 AM	55.0	40.4	0.0	4.6	95.3	95.3	14.21	12.83	-0.36	-0.36	-13.48

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-049	9/1/2020 9:02:09 AM	53.2	40.2	0.0	6.6	87.8	87.9	13.32	11.17	-0.03	-0.02	-12.94
GEW-049	9/10/2020 2:05:43 PM	54.4	38.3	0.0	7.3	96.2	96.2	12.46	12.40	-0.01	-0.02	-12.89
GEW-049	9/14/2020 2:33:04 PM	53.9	40.4	0.0	5.7	97.0	96.9	8.65	8.65	0.15	0.13	-13.14
GEW-049	9/14/2020 2:43:04 PM	53.7	40.2	0.0	6.1	96.5	96.5	2.45	2.67	0.16	0.16	-12.76
GEW-049	9/15/2020 7:57:38 AM	54.9	41.5	0.0	3.6	80.7	80.8	12.09	12.09	-0.07	-0.06	-13.40
GEW-049	9/21/2020 11:12:11 AM	52.9	40.1	0.0	7.0	92.6	93.1	0.87	1.06	0.00	0.01	-12.64
GEW-049	9/21/2020 11:13:31 AM	52.9	39.9	0.0	7.2	93.1	93.1	3.88	3.88	0.01	0.01	-12.72
GEW-049	9/22/2020 8:25:11 AM	54.7	42.1	0.0	3.2	78.7	78.7	14.71	18.64	-0.09	-0.08	-13.31
GEW-049	9/29/2020 10:52:29 AM	54.2	40.6	0.0	5.2	76.9	77.1	13.92	15.50	0.02	0.02	-12.89
GEW-049	9/29/2020 10:53:50 AM	53.7	41.2	0.0	5.1	77.1	77.3	17.61	17.61	0.00	0.00	-12.81
GEW-049	9/30/2020 9:53:00 AM	55.6	41.6	0.0	2.8	81.4	81.5	22.01	16.91	-0.03	-0.01	-13.02
GEW-050	9/1/2020 8:02:33 AM	55.3	40.1	0.0	4.6	98.8	98.7	14.77	14.00	-0.22	-0.24	-7.95
GEW-050	9/9/2020 8:45:45 AM	55.0	40.2	0.0	4.8	98.4	98.4	16.06	10.86	-0.38	-0.40	-6.77
GEW-050	9/9/2020 8:51:57 AM	55.0	39.5	0.0	5.5	98.3	98.3	12.14	13.02	-0.37	-0.35	-6.60
GEW-050	9/15/2020 9:58:23 AM	55.7	41.4	0.0	2.9	100.3	100.2	14.67	13.85	-0.26	-0.23	-9.31
GEW-050	9/21/2020 9:20:13 AM	56.3	39.0	0.0	4.7	99.4	99.4	9.83	10.56	-0.33	-0.32	-7.29
GEW-050	9/29/2020 9:09:12 AM	56.4	39.8	0.0	3.8	95.5	95.3	18.08	17.27	-0.30	-0.31	-6.32
GEW-051	9/1/2020 8:23:29 AM	54.6	42.1	0.0	3.3	116.8	116.9	8.84	8.67	-0.45	-0.46	-13.36
GEW-051	9/10/2020 9:24:45 AM	55.3	41.3	0.0	3.4	116.6	116.6	13.94	12.87	-0.61	-0.61	-13.44
GEW-051	9/14/2020 10:03:39 AM	56.5	39.4	0.0	4.1	117.6	117.6	14.68	18.95	-0.66	-0.65	-13.44
GEW-051	9/14/2020 10:10:12 AM	55.5	41.6	0.0	2.9	117.0	117.1	17.17	20.60	-0.64	-0.64	-12.81
GEW-051	9/21/2020 9:41:19 AM	55.0	41.5	0.0	3.5	116.8	116.8	15.18	14.45	-0.58	-0.58	-13.48
GEW-051	9/29/2020 9:46:11 AM	55.4	40.9	0.0	3.7	113.8	114.0	11.09	9.59	-0.53	-0.47	-13.14
GEW-052	9/1/2020 8:05:50 AM	53.0	40.3	0.0	6.7	104.0	104.0	12.56	11.97	-0.03	-0.02	-13.32
GEW-052	9/9/2020 8:55:52 AM	52.3	40.1	0.0	7.6	103.6	103.8	5.41	6.04	-0.12	-0.12	-13.40
GEW-052	9/9/2020 9:02:17 AM	52.1	40.4	0.0	7.5	104.0	103.6	7.64	6.04	-0.16	-0.16	-13.83
GEW-052	9/15/2020 10:01:02 AM	53.5	40.9	0.0	5.6	105.2	105.4	13.01	13.01	-0.07	-0.07	-13.73
GEW-052	9/21/2020 9:24:29 AM	52.8	39.5	0.0	7.7	102.6	102.6	4.71	4.71	-0.07	-0.07	-13.69
GEW-052	9/29/2020 9:14:39 AM	53.4	40.0	0.0	6.6	98.4	98.5	7.01	7.22	-0.03	-0.03	-13.48
GEW-053	9/1/2020 8:27:21 AM	50.5	42.7	0.0	6.8	138.7	138.3	27.15	27.43	-0.39	-0.39	-13.36
GEW-053	9/1/2020 8:28:50 AM	50.5	43.5	0.0	6.0	138.5	138.7	8.33	8.23	-0.37	-0.38	-13.32
GEW-053	9/10/2020 9:28:43 AM	51.7	42.8	0.0	5.5	142.0	141.9	14.63	11.75	-0.46	-0.46	-13.40
GEW-053	9/10/2020 9:30:04 AM	51.6	43.6	0.0	4.8	141.9	141.9	25.74	26.27	-0.49	-0.49	-13.61
GEW-053	9/14/2020 10:26:22 AM	50.7	43.6	0.0	5.7	141.9	141.5	18.38	17.42	-0.56	-0.56	-13.52
GEW-053	9/14/2020 10:32:29 AM	50.7	44.2	0.0	5.1	140.9	141.2	20.02	19.84	-0.56	-0.56	-13.18
GEW-053	9/21/2020 9:48:32 AM	51.0	41.5	0.0	7.5	141.5	141.7	10.51	13.40	-0.51	-0.53	-13.10
GEW-053	9/21/2020 9:50:11 AM	50.7	42.7	0.0	6.6	141.9	141.2	7.77	6.95	-0.49	-0.50	-13.10
GEW-053	9/29/2020 9:53:25 AM	51.0	43.2	0.0	5.8	140.4	140.6	7.89	10.84	-0.48	-0.46	-13.27
GEW-053	9/29/2020 9:55:28 AM	50.7	44.0	0.0	5.3	140.8	140.3	23.87	23.61	-0.47	-0.51	-13.52
GEW-054	9/1/2020 8:33:09 AM	53.0	43.7	0.0	3.3	145.2	145.2	46.67	48.09	-4.22	-4.17	-13.70

September 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-054	9/1/2020 8:35:14 AM	52.7	43.8	0.0	3.5	145.2	145.2	56.43	56.62	-4.32	-4.33	-13.40
GEW-054	9/10/2020 9:33:45 AM	54.0	43.3	0.0	2.7	145.9	145.9	56.29	56.05	-4.29	-4.33	-13.10
GEW-054	9/10/2020 9:35:27 AM	54.1	43.4	0.0	2.5	145.9	145.9	65.03	65.03	-4.45	-4.45	-13.10
GEW-054	9/14/2020 10:36:21 AM	53.0	44.1	0.0	2.9	145.2	145.2	52.92	53.23	-4.41	-4.43	-13.06
GEW-054	9/14/2020 10:43:06 AM	53.1	45.4	0.0	1.5	145.2	145.2	58.26	55.39	-4.33	-4.37	-13.44
GEW-054	9/21/2020 9:54:14 AM	53.3	42.8	0.0	3.9	145.6	145.6	45.19	48.50	-4.01	-4.07	-13.18
GEW-054	9/21/2020 9:55:44 AM	53.3	42.8	0.0	3.9	145.6	145.6	51.77	56.20	-4.18	-4.18	-12.93
GEW-054	9/29/2020 9:59:00 AM	52.9	44.9	0.0	2.2	144.9	144.9	49.67	55.31	-4.22	-4.29	-13.69
GEW-054	9/29/2020 10:00:36 AM	52.7	45.5	0.0	1.8	144.9	144.9	53.12	53.12	-4.39	-4.39	-13.90
GEW-055	9/1/2020 8:38:13 AM	53.0	43.4	0.0	3.6	127.2	127.2	6.64	8.19	-0.68	-0.68	-13.19
GEW-055	9/10/2020 9:38:52 AM	53.8	42.9	0.0	3.3	126.6	126.7	8.21	8.21	-0.82	-0.83	-13.40
GEW-055	9/14/2020 10:57:39 AM	53.1	43.9	0.0	3.0	128.9	128.9	5.26	5.26	-0.82	-0.82	-13.02
GEW-055	9/14/2020 11:03:27 AM	53.3	43.2	0.0	3.5	128.9	128.9	5.98	4.56	-0.84	-0.80	-12.89
GEW-055	9/21/2020 10:04:48 AM	53.6	42.4	0.0	4.0	127.8	127.8	7.38	7.38	-0.79	-0.79	-13.18
GEW-055	9/29/2020 10:11:04 AM	53.5	43.9	0.0	2.6	123.4	123.5	7.09	7.14	-0.76	-0.76	-13.18
GEW-056R	9/1/2020 1:49:35 PM	49.7	41.7	0.0	8.6	104.0	103.8	4.05	4.49	-0.21	-0.21	-18.87
GEW-056R	9/10/2020 2:33:36 PM	48.9	42.3	0.1	8.7	108.0	107.9	7.27	6.65	-0.25	-0.25	-19.37
GEW-056R	9/10/2020 2:38:37 PM	48.6	43.0	0.1	8.3	106.2	106.2	7.21	7.03	-0.26	-0.25	-18.39
GEW-056R	9/16/2020 9:55:43 AM	48.6	44.6	0.1	6.7	99.3	99.4	1.59	2.52	-0.25	-0.25	-18.94
GEW-056R	9/23/2020 9:28:13 AM	48.0	42.4	0.0	9.6	91.5	91.5	1.14	1.62	-0.31	-0.31	-18.94
GEW-056R	9/28/2020 10:28:25 AM	47.7	42.7	0.0	9.6	79.1	79.3	3.31	4.05	-0.33	-0.33	-19.87
GEW-057B	9/11/2020 1:33:41 PM	3.4	53.7	4.7	38.2	159.0	159.0	1.02	1.77	-1.67	-1.67	-18.79
GEW-057B	9/11/2020 1:35:57 PM	3.4	48.6	4.9	43.1	156.9	156.5	3.55	4.10	-1.23	-1.20	-18.24
GEW-057B	9/25/2020 9:34:40 AM	1.6	9.8	17.3	71.3	97.7	97.4	3.14	3.33	-7.77	-7.77	-18.31
GEW-057B	9/25/2020 10:03:40 AM	8.4	57.8	0.7	33.1	74.1	74.3	3.06	2.84	-7.77	-7.77	-18.14
GEW-058A	9/4/2020 11:07:17 AM	11.3	39.4	0.0	49.3	114.8	114.8	4.47	4.34	-4.77	-4.77	-18.77
GEW-058A	9/21/2020 3:00:41 PM	8.5	43.0	0.0	48.5	105.8	106.2	5.42	5.41	-4.81	-4.81	-18.87
GEW-059R	9/4/2020 10:55:15 AM	22.8	43.3	0.0	33.9	105.8	105.5	3.67	3.13	-3.27	-3.27	-18.94
GEW-059R	9/21/2020 2:47:19 PM	22.8	43.7	0.0	33.5	104.5	104.3	4.74	4.87	-1.63	-1.63	-18.87
GEW-067A	9/3/2020 2:06:57 PM	11.0	56.1	0.5	32.4	194.7	194.3	4.82	7.50	-10.44	-10.44	-18.66
GEW-067A	9/3/2020 2:08:23 PM	11.0	54.5	0.4	34.1	194.9	194.3	6.48	9.01	-10.44	-10.44	-18.96
GEW-067A	9/16/2020 11:15:44 AM	10.2	59.9	0.0	29.9	190.9	191.4	6.44	5.47	-10.15	-10.15	-18.74
GEW-067A	9/16/2020 11:17:02 AM	9.9	63.1	0.0	27.0	191.6	191.7	9.95	4.86	-10.15	-10.15	-19.21
GEW-068A	9/9/2020 2:00:49 PM	19.0	46.8	0.0	34.2	174.8	174.9	15.91	20.81	-8.50	-8.50	-18.74
GEW-068A	9/9/2020 2:01:49 PM	18.5	50.4	0.0	31.1	175.3	175.3	19.57	13.92	-8.41	-8.46	-18.53
GEW-068A	9/21/2020 10:31:07 AM	18.3	49.8	0.1	31.8	173.6	173.6	25.75	25.75	-8.10	-8.10	-18.82
GEW-068A	9/21/2020 10:32:34 AM	18.0	47.7	0.1	34.2	173.6	173.6	24.39	24.62	-8.10	-8.10	-18.14
GEW-078R	9/8/2020 9:24:34 AM	28.3	41.7	0.0	30.0	159.8	159.9	28.86	29.34	-9.01	-9.01	-18.87
GEW-078R	9/8/2020 9:25:50 AM	27.9	41.4	0.0	30.7	159.8	159.9	29.16	29.03	-9.05	-9.05	-19.21
GEW-078R	9/21/2020 8:54:21 AM	24.9	38.9	0.1	36.1	157.5	156.5	30.83	31.41	-9.79	-9.79	-19.70

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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-078R	9/21/2020 8:56:50 AM	24.7	36.7	0.1	38.5	156.9	157.0	31.50	31.53	-9.79	-9.79	-19.58
GEW-082R	9/8/2020 9:37:25 AM	9.8	37.4	0.0	52.8	173.1	173.1	3.83	3.83	-4.74	-4.74	-18.91
GEW-082R	9/8/2020 9:38:23 AM	9.6	38.6	0.0	51.8	173.1	173.1	1.71	2.42	-4.74	-4.74	-18.83
GEW-082R	9/18/2020 11:10:00 AM	10.7	38.0	0.1	51.2	170.1	169.0	2.80	1.98	-4.39	-4.60	-18.69
GEW-082R	9/18/2020 11:11:30 AM	10.2	38.5	0.0	51.3	170.0	168.5	3.70	5.87	-4.52	-4.52	-18.65
GEW-086	9/4/2020 9:24:55 AM	3.7	57.9	0.3	38.1	173.1	172.6	5.92	6.87	0.02	0.02	-20.13
GEW-086	9/4/2020 9:26:48 AM	3.3	56.7	0.3	39.7	173.1	172.6	4.22	4.71	-0.03	-0.02	-19.63
GEW-086	9/16/2020 1:55:51 PM	2.7	40.4	2.9	54.0	167.6	168.1	6.11	3.62	0.13	0.14	-17.93
GEW-086	9/17/2020 10:12:18 AM	18.6	31.9	3.0	46.5	166.1	166.1	25.68	23.59	-6.63	-6.63	-18.31
GEW-086	9/17/2020 10:13:42 AM	17.9	32.1	3.2	46.8	165.2	165.2	19.49	19.15	-4.73	-4.73	-18.39
GEW-087	9/4/2020 9:18:49 AM	3.7	78.1	0.1	18.1	204.7	204.7	33.31	33.23	-2.96	-2.97	-19.21
GEW-087	9/4/2020 9:20:37 AM	4.2	81.5	0.0	14.3	204.7	204.7	34.07	33.95	-3.58	-3.58	-19.12
GEW-087	9/16/2020 2:57:49 PM	20.0	52.8	0.4	26.8	183.3	182.7	14.16	11.13	-16.72	-16.72	-18.10
GEW-087	9/16/2020 2:58:58 PM	19.7	54.6	0.4	25.3	182.7	183.3	12.90	10.88	-16.72	-16.72	-18.05
GEW-088	9/4/2020 9:13:07 AM	2.6	57.3	0.1	40.0	172.1	169.6	4.02	4.01	-0.66	-0.66	-19.50
GEW-088	9/4/2020 9:15:08 AM	2.5	56.7	0.0	40.8	170.5	171.0	5.73	5.68	-0.63	-0.63	-19.42
GEW-088	9/16/2020 2:21:33 PM	1.5	47.2	0.1	51.2	181.5	181.5	3.41	2.41	0.32	0.33	-18.14
GEW-088	9/16/2020 2:23:34 PM	1.5	53.9	0.1	44.5	183.3	183.9	2.59	2.40	-0.38	-0.37	-18.35
GEW-090	9/4/2020 9:36:10 AM	24.4	46.4	0.1	29.1	167.6	167.4	4.09	3.89	-10.44	-10.44	-20.05
GEW-090	9/4/2020 9:37:38 AM	24.4	44.5	0.1	31.0	167.1	167.1	1.38	1.23	-10.49	-10.49	-19.29
GEW-090	9/17/2020 9:34:14 AM	26.1	46.1	0.1	27.7	162.2	162.3	5.51	7.97	-9.79	-9.79	-18.65
GEW-090	9/17/2020 9:35:31 AM	27.1	45.8	0.1	27.0	162.4	162.0	5.93	8.28	-9.71	-9.71	-18.60
GEW-091	9/1/2020 2:25:51 PM	2.5	54.5	1.2	41.8	198.6	197.9	18.39	13.99	-8.12	-8.12	-18.74
GEW-091	9/1/2020 2:26:47 PM	1.9	60.2	1.2	36.7	198.6	198.1	15.04	15.04	-8.79	-8.79	-18.96
GEW-091	9/11/2020 10:51:00 AM	3.3	61.3	1.9	33.5	196.4	196.4	21.25	19.59	-7.43	-7.43	-18.77
GEW-091	9/11/2020 10:57:00 AM	3.3	58.3	1.5	36.9	197.2	196.4	15.50	14.27	-10.13	-10.13	-18.48
GEW-091	9/11/2020 4:53:50 PM	3.2	55.2	1.8	39.8	197.9	198.6	16.23	15.14	-7.77	-7.77	-19.49
GEW-091	9/11/2020 4:55:32 PM	3.0	53.8	2.3	40.9	197.9	198.6	19.95	22.66	-6.75	-6.75	-19.53
GEW-091	9/17/2020 9:27:31 AM	2.8	48.2	0.9	48.1	195.0	194.6	20.22	20.23	-6.75	-6.75	-18.77
GEW-091	9/17/2020 9:28:28 AM	2.3	58.6	1.0	38.1	195.0	194.6	20.06	21.01	-6.80	-6.80	-18.94
GEW-091	9/23/2020 10:35:04 AM	2.8	52.2	1.5	43.5	196.4	196.4	20.02	16.99	-7.13	-7.13	-18.86
GEW-091	9/23/2020 10:36:48 AM	2.8	56.5	1.5	39.2	196.4	196.4	17.95	19.08	-7.39	-7.39	-18.73
GEW-091	9/28/2020 11:37:21 AM	3.8	53.0	1.1	42.1	196.4	196.4	20.25	18.79	-7.43	-7.43	-18.90
GEW-091	9/28/2020 11:40:13 AM	3.3	58.0	0.9	37.8	196.1	195.7	18.52	17.90	-9.46	-9.46	-18.82
GEW-100	9/9/2020 2:19:08 PM	19.3	60.4	0.5	19.8	153.7	153.7	6.20	5.87	-15.90	-15.90	-18.16
GEW-100	9/9/2020 2:20:02 PM	19.4	62.0	0.5	18.1	154.0	154.0	4.76	5.61	-15.90	-15.90	-18.24
GEW-100	9/21/2020 10:26:26 AM	20.8	61.7	1.2	16.3	127.5	126.7	10.40	10.42	-16.55	-16.55	-17.97
GEW-101	9/9/2020 1:40:35 PM	36.0	63.6	0.0	0.4	99.4	99.4	4.67	3.00	-0.19	-0.18	-17.94
GEW-101	9/23/2020 9:14:08 AM	32.9	67.1	0.0	0.0	78.0	78.0	2.89	2.63	-0.08	-0.07	-19.55
GEW-101	9/23/2020 9:16:12 AM	32.9	67.1	0.0	0.0	78.7	78.8	3.90	3.72	-0.32	-0.32	-19.17

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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-101	9/30/2020 10:05:00 AM	32.9	67.1	0.0	0.0	76.4	76.4	5.69	7.11	1.35	1.43	-18.96
GEW-101	9/30/2020 10:07:16 AM	32.3	67.7	0.0	0.0	81.0	81.0	6.41	6.41	-0.49	-0.49	-19.21
GEW-102	9/9/2020 10:59:42 AM	26.0	52.7	0.0	21.3	84.7	84.7	1.46	1.46	-3.36	-3.36	-18.28
GEW-102	9/22/2020 3:09:43 PM	23.5	42.3	3.8	30.4	86.3	86.4	1.96	1.01	-17.93	-17.67	-18.41
GEW-104	9/8/2020 3:02:31 PM	21.6	54.8	0.0	23.6	182.8	182.7	32.42	32.42	-5.11	-5.11	-19.20
GEW-104	9/8/2020 3:04:12 PM	21.1	56.1	0.0	22.8	182.8	182.8	35.16	34.60	-5.19	-5.19	-18.82
GEW-104	9/18/2020 9:26:39 AM	27.1	49.5	0.1	23.3	177.7	177.5	10.70	11.56	-5.02	-5.02	-19.66
GEW-104	9/18/2020 9:27:50 AM	24.5	50.8	0.2	24.5	178.0	177.5	9.71	10.66	-5.02	-5.02	-19.07
GEW-105	9/2/2020 9:43:15 AM	43.5	47.6	0.0	8.9	124.7	124.7	5.33	13.81	-4.94	-4.94	-14.63
GEW-105	9/21/2020 3:13:33 PM	39.9	47.2	0.0	12.9	126.7	126.7	6.30	6.21	-5.75	-5.75	-13.73
GEW-106	9/4/2020 11:17:56 AM	25.8	55.1	0.0	19.1	147.7	147.7	3.84	3.25	-4.09	-4.09	-18.90
GEW-106	9/4/2020 11:19:14 AM	25.9	55.3	0.0	18.8	148.8	148.8	6.06	3.69	-4.43	-4.47	-19.03
GEW-106	9/17/2020 10:44:20 AM	23.7	52.9	0.0	23.4	167.6	167.7	5.27	2.82	-3.73	-3.72	-18.27
GEW-106	9/17/2020 10:45:22 AM	23.3	52.9	0.0	23.8	168.1	168.1	1.99	2.63	-3.75	-3.75	-18.27
GEW-107	9/4/2020 10:59:14 AM	42.6	51.4	0.0	6.0	142.2	142.2	9.61	15.69	-1.13	-1.15	-18.94
GEW-107	9/4/2020 11:00:10 AM	42.7	51.2	0.0	6.1	142.5	142.9	10.22	8.22	-1.13	-1.16	-18.94
GEW-107	9/18/2020 9:18:45 AM	45.1	49.5	0.1	5.3	87.0	87.0	13.89	13.90	-1.94	-1.94	-19.15
GEW-107	9/18/2020 9:20:09 AM	45.2	49.2	0.0	5.6	87.7	87.5	7.70	9.03	-2.00	-2.01	-19.32
GEW-108	9/1/2020 2:12:58 PM	42.1	45.2	0.0	12.7	151.1	151.0	4.00	3.58	-1.91	-1.91	-18.79
GEW-108	9/1/2020 2:14:02 PM	42.3	45.5	0.0	12.2	151.0	151.0	4.26	2.92	-1.91	-1.91	-18.91
GEW-108	9/11/2020 11:08:00 AM	41.3	47.7	0.0	11.0	154.9	154.9	4.19	5.51	-1.20	-1.20	-18.60
GEW-108	9/11/2020 11:13:00 AM	41.0	46.1	0.0	12.9	155.2	154.8	0.94	2.39	-1.13	-1.14	-18.44
GEW-108	9/11/2020 4:58:28 PM	39.5	47.5	0.0	13.0	158.1	158.5	4.66	4.56	-0.96	-0.98	-18.99
GEW-108	9/11/2020 4:59:30 PM	40.6	46.7	0.0	12.7	158.5	158.1	3.38	4.88	-0.96	-0.97	-19.28
GEW-108	9/16/2020 10:35:51 AM	41.7	47.8	0.1	10.4	151.6	151.0	6.42	5.15	-1.04	-1.05	-18.94
GEW-108	9/16/2020 10:37:04 AM	41.8	48.3	0.0	9.9	151.3	151.3	2.30	3.09	-1.04	-1.03	-18.60
GEW-108	9/23/2020 10:16:08 AM	41.9	44.8	0.0	13.3	146.6	146.7	4.97	2.74	-1.16	-1.16	-19.20
GEW-108	9/23/2020 10:17:13 AM	41.5	45.8	0.0	12.7	145.5	146.2	4.98	4.97	-1.19	-1.18	-19.11
GEW-108	9/28/2020 10:54:35 AM	42.1	46.6	0.0	11.3	140.0	140.8	7.90	6.53	-1.60	-1.60	-19.49
GEW-108	9/28/2020 10:57:50 AM	42.1	47.8	0.0	10.1	139.4	139.3	6.37	9.50	-1.63	-1.62	-19.28
GEW-109	9/1/2020 2:06:33 PM	43.1	37.9	0.7	18.3	90.1	90.1	3.03	2.80	-2.90	-2.90	-19.55
GEW-109	9/11/2020 1:57:00 PM	49.2	41.7	0.6	8.5	106.0	106.0	3.68	2.93	-1.82	-1.82	-18.56
GEW-109	9/11/2020 2:07:00 PM	50.9	40.9	0.6	7.6	106.7	106.5	3.13	3.13	-1.79	-1.79	-18.77
GEW-109	9/11/2020 5:04:33 PM	44.3	43.4	0.7	11.6	102.6	102.6	8.50	7.73	-1.89	-1.88	-19.62
GEW-109	9/16/2020 10:02:51 AM	29.1	30.3	9.1	31.5	81.8	81.9	3.28	3.28	-0.99	-0.99	-19.37
GEW-109	9/16/2020 10:06:04 AM	28.5	29.8	8.7	33.0	81.9	81.9	3.67	2.60	-1.01	-1.00	-19.37
GEW-109	9/16/2020 10:59:16 AM	43.8	43.3	3.0	9.9	82.7	82.7	4.33	4.01	-2.03	-2.03	-19.41
GEW-109	9/23/2020 10:12:34 AM	43.8	38.9	1.7	15.6	78.3	78.4	2.85	3.08	-2.82	-2.83	-17.93
GEW-109	9/28/2020 10:49:54 AM	43.8	39.9	1.2	15.1	69.1	69.2	2.05	2.05	-2.99	-2.99	-17.93
GEW-110	9/1/2020 1:44:22 PM	46.8	45.0	0.0	8.2	125.0	125.0	1.53	2.65	-0.87	-0.87	-18.79

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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-110	9/10/2020 2:15:00 PM	48.6	44.4	0.1	6.9	117.9	117.9	7.03	7.12	-1.83	-1.84	-18.60
GEW-110	9/10/2020 2:20:52 PM	49.1	43.0	0.1	7.8	118.1	118.1	3.09	3.62	-1.71	-1.70	-19.07
GEW-110	9/16/2020 9:50:40 AM	47.5	44.3	0.1	8.1	110.2	110.2	3.97	3.65	-2.14	-2.14	-19.37
GEW-110	9/23/2020 9:21:00 AM	46.7	44.3	0.0	9.0	104.0	104.0	3.34	3.69	-2.32	-2.32	-19.28
GEW-110	9/28/2020 10:21:11 AM	46.8	45.2	0.0	8.0	95.8	95.8	3.91	3.91	-2.39	-2.39	-19.62
GEW-113	9/4/2020 2:00:28 PM	12.4	63.2	0.3	24.1	179.2	179.2	9.21	10.40	-1.69	-1.69	-19.76
GEW-113	9/4/2020 2:01:56 PM	12.1	63.4	0.3	24.2	179.2	179.2	9.57	10.64	-1.71	-1.71	-19.97
GEW-113	9/17/2020 2:28:02 PM	13.0	61.9	0.3	24.8	177.5	177.5	9.95	10.66	-1.60	-1.61	-18.99
GEW-113	9/17/2020 2:28:55 PM	12.8	61.7	0.4	25.1	177.5	177.5	9.45	9.65	-1.63	-1.63	-18.90
GEW-116	9/8/2020 2:10:30 PM	28.0	52.6	0.9	18.5	146.3	146.3	11.14	11.49	-0.85	-0.87	-16.55
GEW-116	9/8/2020 2:11:38 PM	28.1	52.5	0.8	18.6	146.3	146.3	12.56	14.38	-0.87	-0.87	-16.22
GEW-116	9/18/2020 10:52:39 AM	27.7	53.2	0.8	18.3	139.6	139.6	10.18	10.18	-0.63	-0.63	-14.04
GEW-116	9/18/2020 10:53:36 AM	28.2	54.2	0.8	16.8	139.4	139.4	15.08	13.33	-0.64	-0.64	-15.35
GEW-117	9/8/2020 2:32:19 PM	38.5	54.8	0.2	6.5	132.0	132.6	5.11	4.44	-15.81	-15.81	-19.33
GEW-117	9/8/2020 2:33:14 PM	38.5	53.3	0.1	8.1	133.8	133.5	3.70	4.35	-15.81	-15.81	-18.74
GEW-117	9/18/2020 10:56:29 AM	32.9	55.2	0.1	11.8	119.2	119.8	6.63	5.92	-15.20	-15.20	-18.69
GEW-118	9/11/2020 2:11:42 PM	2.7	69.8	0.0	27.5	200.1	200.1	15.61	14.76	-0.65	-0.60	-18.91
GEW-118	9/11/2020 2:12:40 PM	3.1	68.2	0.0	28.7	200.8	200.8	16.14	18.67	-0.69	-0.63	-20.26
GEW-118	9/21/2020 2:15:21 PM	2.6	58.8	0.1	38.5	200.8	200.9	18.11	18.11	-1.63	-1.63	-19.45
GEW-118	9/21/2020 2:16:58 PM	2.4	56.5	0.1	41.0	201.6	201.7	19.48	18.21	-1.08	-1.07	-19.03
GEW-120	9/8/2020 2:36:13 PM	41.5	46.3	0.6	11.6	119.0	119.0	18.56	18.62	-8.03	-8.03	-19.33
GEW-120	9/23/2020 1:34:28 PM	36.9	45.3	0.9	16.9	116.6	116.6	21.27	19.75	-7.77	-7.77	-19.28
GEW-121	9/8/2020 2:43:03 PM	41.7	52.7	0.0	5.6	143.2	143.2	3.30	3.64	-2.57	-2.55	-18.24
GEW-121	9/8/2020 2:44:03 PM	41.6	52.5	0.0	5.9	143.2	143.2	4.27	4.20	-2.58	-2.56	-18.41
GEW-121	9/18/2020 9:48:22 AM	37.3	55.7	0.0	7.0	128.3	128.6	5.11	5.53	-2.55	-2.55	-18.99
GEW-122	9/9/2020 8:41:12 AM	44.7	43.9	0.0	11.4	93.9	93.9	7.32	7.23	-5.45	-5.45	-18.74
GEW-122	9/23/2020 11:26:12 AM	43.6	38.5	0.0	17.9	97.1	97.1	35.49	35.43	-7.09	-7.09	-18.56
GEW-123	9/9/2020 8:16:49 AM	33.5	64.1	0.0	2.4	75.0	75.0	20.04	18.78	-1.31	-1.31	-19.12
GEW-123	9/23/2020 11:37:54 AM	33.2	61.6	0.0	5.2	82.5	81.7	11.42	11.44	-0.94	-0.94	-18.60
GEW-124	9/9/2020 8:23:32 AM	39.9	37.8	4.8	17.5	69.8	69.6	0.68	0.68	-18.27	-18.27	-19.12
GEW-124	9/23/2020 11:32:46 AM	41.1	34.4	4.9	19.6	78.5	78.6	2.31	2.23	-17.90	-17.90	-18.31
GEW-125	9/11/2020 1:48:40 PM	46.3	53.7	0.0	0.0	98.1	98.2	4.30	1.92	-8.92	-8.84	-18.24
GEW-125	9/24/2020 2:00:46 PM	44.6	48.3	0.0	7.1	94.3	94.8	2.51	2.51	-5.07	-5.07	-18.99
GEW-126	9/11/2020 1:40:50 PM	26.8	57.5	0.4	15.3	103.6	103.6	6.04	4.41	-8.03	-8.12	-18.41
GEW-126	9/24/2020 2:07:40 PM	28.4	50.7	0.3	20.6	103.3	103.2	11.03	10.70	-5.95	-5.95	-18.65
GEW-127	9/11/2020 9:30:04 AM	18.1	53.8	2.3	25.8	87.5	87.5	9.54	8.50	-0.14	-0.14	-18.87
GEW-127	9/24/2020 2:16:39 PM	21.5	50.6	0.1	27.8	106.7	106.7	13.63	13.72	-0.12	-0.12	-18.69
GEW-129	9/10/2020 3:03:55 PM	39.4	54.1	0.0	6.5	119.4	119.5	25.25	24.78	-4.24	-4.24	-19.17
GEW-129	9/23/2020 11:40:08 AM	37.5	57.9	0.0	4.6	121.8	121.8	24.52	25.41	-4.10	-4.10	-18.70
GEW-130	9/11/2020 9:42:38 AM	27.4	52.2	0.0	20.4	147.3	147.3	4.97	5.47	-11.25	-11.37	-18.91

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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-130	9/11/2020 9:43:40 AM	26.8	52.6	0.0	20.6	148.0	147.7	8.78	7.72	-11.42	-11.42	-18.96
GEW-130	9/21/2020 1:32:33 PM	26.1	43.6	0.1	30.2	152.5	152.5	7.77	9.83	-10.47	-10.47	-19.20
GEW-130	9/21/2020 1:34:33 PM	25.5	41.9	0.1	32.5	153.3	152.1	9.45	6.35	-10.47	-10.47	-18.73
GEW-131	9/11/2020 1:52:35 PM	43.4	47.5	0.0	9.1	138.0	138.0	2.60	1.06	0.43	0.42	-18.24
GEW-131	9/11/2020 1:53:47 PM	43.6	47.4	0.0	9.0	140.6	140.5	4.33	3.32	-2.02	-2.02	-18.03
GEW-131	9/21/2020 1:38:37 PM	44.3	42.5	0.0	13.2	136.8	136.5	4.76	4.53	-6.75	-6.75	-18.60
GEW-131	9/21/2020 1:39:47 PM	45.0	42.3	0.0	12.7	136.2	135.6	4.99	5.00	-6.42	-6.42	-18.52
GEW-132	9/11/2020 2:00:45 PM	18.4	38.0	0.1	43.5	142.9	142.9	7.26	6.37	-1.51	-1.50	-18.20
GEW-132	9/11/2020 2:02:36 PM	18.6	37.7	0.1	43.6	142.9	142.9	3.47	4.68	-1.54	-1.52	-17.99
GEW-132	9/21/2020 2:00:30 PM	15.9	33.2	0.3	50.6	142.2	142.5	5.52	6.84	-1.55	-1.55	-18.69
GEW-132	9/21/2020 2:01:44 PM	15.8	34.0	0.3	49.9	141.9	140.9	5.91	5.53	-1.53	-1.53	-18.86
GEW-133	9/8/2020 2:18:57 PM	8.9	40.5	0.0	50.6	139.0	139.0	14.05	13.89	-2.04	-2.04	-18.58
GEW-133	9/8/2020 2:19:52 PM	8.7	41.9	0.0	49.4	138.7	138.7	14.82	12.77	-2.04	-2.02	-18.83
GEW-133	9/21/2020 9:13:07 AM	2.8	65.4	0.1	31.7	146.6	145.9	7.08	8.95	-2.71	-2.72	-18.56
GEW-133	9/21/2020 9:17:15 AM	2.7	70.0	0.1	27.2	147.4	147.7	8.94	8.63	-2.54	-2.56	-19.37
GEW-134	9/8/2020 10:28:04 AM	6.5	64.6	0.4	28.5	90.1	90.2	5.40	4.31	-0.11	-0.10	-19.00
GEW-134	9/23/2020 1:45:59 PM	3.4	61.5	0.1	35.0	84.6	84.7	3.66	3.47	0.00	0.00	-18.31
GEW-134	9/23/2020 1:48:13 PM	3.3	64.7	0.0	32.0	85.2	85.2	3.06	2.59	-0.05	-0.04	-18.48
GEW-135	9/8/2020 10:07:45 AM	5.6	61.4	0.0	33.0	130.9	131.0	31.67	31.67	-1.24	-1.24	-17.86
GEW-135	9/8/2020 10:08:59 AM	5.3	62.8	0.0	31.9	131.4	131.2	26.26	26.06	-1.17	-1.15	-17.78
GEW-135	9/18/2020 10:14:48 AM	5.5	52.4	0.1	42.0	106.0	106.2	25.27	25.16	-1.09	-1.08	-16.62
GEW-137	9/4/2020 2:25:19 PM	42.5	45.3	0.1	12.1	99.4	99.6	5.74	5.28	-2.32	-2.31	-19.42
GEW-137	9/23/2020 11:19:04 AM	41.3	43.8	0.0	14.9	82.8	82.9	2.83	1.63	-2.00	-2.00	-18.60
GEW-139	9/10/2020 8:41:42 AM	13.6	47.7	2.6	36.1	146.4	146.4	3.60	3.89	-2.13	-2.13	-18.87
GEW-139	9/10/2020 8:43:28 AM	13.5	49.9	2.7	33.9	146.6	146.6	3.89	4.03	-2.14	-2.13	-18.87
GEW-139	9/21/2020 11:52:48 AM	16.5	50.7	1.4	31.4	147.0	146.6	2.31	2.31	-2.18	-2.18	-18.01
GEW-139	9/21/2020 11:53:37 AM	16.9	51.6	1.3	30.2	148.0	147.9	2.06	2.06	-2.20	-2.20	-18.14
GEW-140	9/10/2020 8:31:12 AM	40.7	47.8	0.0	11.5	73.6	73.6	3.35	3.35	-1.75	-1.75	-17.78
GEW-140	9/23/2020 11:16:52 AM	37.0	50.3	0.0	12.7	78.7	78.8	4.84	4.69	-1.33	-1.33	-17.65
GEW-144	9/9/2020 1:58:03 PM	39.2	36.4	4.3	20.1	98.4	98.4	0.90	0.50	-9.89	-9.89	-18.62
GEW-144	9/23/2020 9:36:30 AM	50.3	48.1	0.1	1.5	68.1	68.1	0.62	0.62	-0.56	-0.56	-19.42
GEW-145	9/9/2020 10:51:58 AM	34.3	50.6	0.0	15.1	88.6	88.7	6.98	6.24	-18.10	-18.27	-18.83
GEW-145	9/22/2020 3:06:29 PM	36.2	48.3	0.0	15.5	90.7	90.6	4.67	5.93	-17.59	-17.59	-18.62
GEW-147	9/4/2020 1:51:59 PM	17.4	49.0	0.8	32.8	161.2	161.1	16.94	18.36	-8.12	-8.12	-20.01
GEW-147	9/4/2020 1:54:43 PM	17.4	49.5	0.7	32.4	161.2	161.1	17.78	16.12	-8.12	-8.12	-19.84
GEW-147	9/17/2020 2:23:49 PM	17.1	45.9	0.6	36.4	160.7	160.7	18.18	16.60	-7.43	-7.43	-19.70
GEW-147	9/17/2020 2:24:41 PM	16.8	46.8	0.5	35.9	160.7	160.7	16.90	15.55	-7.43	-7.43	-19.70
GEW-148	9/4/2020 10:36:20 AM	22.0	58.1	0.1	19.8	153.6	153.7	27.23	26.18	-6.09	-6.09	-19.00
GEW-148	9/4/2020 10:37:09 AM	21.9	57.7	0.1	20.3	153.8	154.0	24.52	23.64	-6.09	-6.09	-19.29
GEW-148	9/17/2020 1:53:25 PM	22.2	49.4	0.1	28.3	149.1	149.2	25.48	25.42	-6.04	-6.04	-19.37

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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	9/17/2020 1:54:24 PM	22.1	51.6	0.1	26.2	149.5	149.9	25.95	25.18	-6.04	-6.04	-19.28
GEW-149	9/3/2020 2:12:27 PM	11.8	31.1	0.2	56.9	96.2	96.5	4.53	3.98	-0.09	-0.08	-18.96
GEW-149	9/22/2020 8:46:57 AM	9.6	29.4	0.0	61.0	67.9	67.9	3.38	2.93	-0.13	-0.12	-19.28
GEW-150	9/4/2020 11:37:13 AM	29.9	47.1	1.1	21.9	162.4	162.4	14.31	11.82	-1.54	-1.47	-18.90
GEW-150	9/4/2020 11:39:00 AM	29.8	47.7	1.1	21.4	162.9	163.3	15.03	14.57	-1.60	-1.60	-18.94
GEW-150	9/17/2020 10:58:32 AM	31.9	47.7	0.6	19.8	145.6	145.2	26.08	26.20	-1.90	-1.91	-18.27
GEW-150	9/17/2020 11:00:00 AM	32.1	48.1	0.6	19.2	144.3	143.5	3.90	4.42	-0.88	-0.87	-18.48
GEW-151	9/3/2020 2:04:13 PM	8.6	40.9	3.4	47.1	118.1	118.1	3.61	4.36	-0.07	-0.07	-18.79
GEW-151	9/22/2020 8:50:22 AM	7.0	34.1	4.8	54.1	82.6	82.6	3.67	3.07	-0.14	-0.13	-19.03
GEW-152	9/4/2020 11:02:53 AM	40.3	45.6	0.0	14.1	105.0	105.2	7.19	7.19	-2.47	-2.47	-19.20
GEW-152	9/21/2020 2:50:15 PM	38.9	50.0	0.0	11.1	109.7	109.7	6.75	6.37	-1.14	-1.14	-19.17
GEW-153	9/4/2020 10:52:30 AM	39.5	37.2	0.0	23.3	98.4	98.4	4.63	4.77	-1.91	-1.90	-18.94
GEW-153	9/21/2020 2:44:26 PM	42.4	38.5	0.0	19.1	101.9	101.8	4.78	6.47	-0.53	-0.55	-19.21
GEW-156	9/2/2020 9:48:21 AM	34.2	48.7	0.0	17.1	124.3	124.3	3.36	3.19	-5.95	-5.95	-18.65
GEW-156	9/22/2020 2:58:24 PM	31.9	50.7	0.0	17.4	127.5	127.5	6.05	5.13	-3.37	-3.37	-19.21
GEW-157	9/9/2020 10:26:32 AM	15.3	54.8	0.0	29.9	84.7	84.7	4.34	4.34	-1.33	-1.33	-18.24
GEW-157	9/22/2020 2:47:11 PM	14.8	51.8	0.0	33.4	97.7	97.7	3.00	3.00	-0.42	-0.42	-17.82
GEW-158	9/4/2020 11:22:10 AM	31.4	46.6	1.5	20.5	121.0	121.0	1.87	1.53	-1.20	-1.20	-19.20
GEW-158	9/21/2020 3:10:31 PM	29.9	47.6	0.7	21.8	119.9	119.9	5.45	5.34	-0.98	-0.99	-18.96
GEW-160	9/1/2020 2:22:48 PM	30.9	40.6	0.2	28.3	80.3	80.2	2.59	3.07	-4.74	-4.74	-18.83
GEW-160	9/11/2020 10:42:00 AM	29.7	36.6	1.3	32.4	82.4	82.4	3.71	3.13	-5.11	-5.11	-18.86
GEW-160	9/11/2020 10:47:00 AM	33.2	38.6	0.3	27.9	83.5	83.5	2.91	2.68	-5.07	-5.07	-18.73
GEW-160	9/11/2020 4:50:23 PM	30.6	40.1	0.4	28.9	98.4	98.4	3.86	4.17	-4.87	-4.88	-19.24
GEW-160	9/16/2020 10:49:03 AM	32.2	44.6	0.4	22.8	76.1	76.1	3.07	2.85	-4.90	-4.90	-18.52
GEW-160	9/23/2020 10:30:59 AM	32.2	41.6	0.3	25.9	70.9	70.9	2.35	1.17	-5.07	-5.07	-18.82
GEW-160	9/28/2020 11:30:45 AM	32.0	40.9	0.6	26.5	63.9	63.8	1.19	2.38	-5.07	-5.07	-18.94
GEW-161	9/1/2020 2:20:07 PM	7.8	56.1	0.3	35.8	105.5	105.6	1.11	1.93	-2.65	-2.65	-18.87
GEW-161	9/11/2020 10:33:00 AM	8.5	51.9	1.1	38.5	102.6	102.8	6.81	3.76	-2.96	-2.96	-18.90
GEW-161	9/11/2020 10:38:00 AM	8.6	59.0	0.2	32.2	104.0	104.0	4.22	4.64	-2.97	-2.97	-18.94
GEW-161	9/11/2020 4:47:49 PM	8.3	60.9	0.0	30.8	116.6	117.1	3.45	1.52	-2.40	-2.39	-18.90
GEW-161	9/16/2020 10:45:27 AM	7.9	54.9	0.7	36.5	101.1	101.3	1.93	3.86	-3.04	-3.04	-18.82
GEW-161	9/23/2020 10:27:28 AM	8.4	56.1	0.8	34.7	90.1	90.1	4.41	4.41	-3.16	-3.16	-18.94
GEW-161	9/28/2020 11:26:11 AM	8.4	57.0	0.9	33.7	80.4	80.1	2.31	2.32	-3.39	-3.37	-18.94
GEW-162	9/1/2020 2:17:34 PM	16.1	68.2	0.4	15.3	80.7	80.8	4.52	4.52	-1.53	-1.52	-18.28
GEW-162	9/11/2020 10:24:00 AM	16.7	69.4	0.7	13.2	80.3	80.3	4.71	4.10	-1.70	-1.70	-18.99
GEW-162	9/11/2020 10:30:00 AM	16.5	68.5	0.6	14.4	81.7	81.7	3.92	3.37	-1.72	-1.72	-18.94
GEW-162	9/11/2020 4:45:34 PM	16.9	69.1	0.2	13.8	96.0	96.1	6.50	5.66	-1.54	-1.53	-18.94
GEW-162	9/16/2020 10:42:58 AM	18.0	66.7	0.3	15.0	77.1	77.1	3.51	3.31	-1.80	-1.80	-19.15
GEW-162	9/23/2020 10:24:09 AM	17.7	63.3	0.0	19.0	70.7	70.7	2.05	1.67	-1.78	-1.78	-19.28
GEW-162	9/28/2020 11:21:22 AM	17.4	65.1	0.4	17.1	63.7	63.8	2.08	2.68	-1.80	-1.78	-18.94

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		(% vol)				°F		scfm		H ₂ O		
GEW-163	9/9/2020 8:14:06 AM	29.5	50.1	0.8	19.6	119.2	119.2	35.58	35.68	-4.84	-4.84	-18.83
GEW-163	9/24/2020 2:28:24 PM	28.7	46.3	0.0	25.0	126.5	126.4	30.36	31.10	-3.73	-3.73	-18.48
GEW-164	9/9/2020 8:19:11 AM	31.4	51.2	0.0	17.4	138.3	137.7	25.74	22.76	-0.71	-0.72	-20.09
GEW-164	9/9/2020 8:20:22 AM	31.9	49.4	0.0	18.7	138.3	138.0	15.63	15.71	-0.69	-0.68	-17.27
GEW-164	9/21/2020 9:27:46 AM	32.9	49.9	0.0	17.2	136.5	136.2	20.68	22.59	-0.44	-0.44	-18.56
GEW-164	9/21/2020 9:29:16 AM	34.6	49.4	0.0	16.0	136.2	136.2	21.15	21.15	-0.44	-0.43	-18.01
GEW-165	9/9/2020 8:26:06 AM	23.3	48.5	3.0	25.2	141.9	141.9	16.01	14.14	-0.20	-0.20	-19.25
GEW-165	9/9/2020 8:27:07 AM	22.9	50.3	3.0	23.8	142.2	141.9	11.23	9.98	-0.22	-0.20	-18.83
GEW-165	9/21/2020 9:35:10 AM	23.5	47.1	2.7	26.7	139.9	139.9	10.59	12.96	-0.22	-0.23	-19.28
GEW-165	9/21/2020 9:37:14 AM	23.3	47.5	2.8	26.4	140.1	140.2	14.76	13.66	-0.22	-0.25	-19.20
GEW-166	9/9/2020 8:34:56 AM	1.9	54.4	4.3	39.4	159.4	159.4	9.61	9.90	-1.02	-1.02	-18.83
GEW-166	9/9/2020 8:36:02 AM	1.7	55.2	4.7	38.4	159.4	159.5	11.09	13.47	-1.05	-1.05	-18.91
GEW-166	9/21/2020 9:58:15 AM	8.4	63.0	0.1	28.5	137.7	137.4	7.43	5.70	-5.78	-5.78	-18.94
GEW-166	9/21/2020 9:59:09 AM	8.4	62.9	0.1	28.6	138.0	137.7	5.60	8.76	-5.78	-5.78	-18.82
GEW-167	9/9/2020 8:42:56 AM	18.8	51.3	0.0	29.9	151.3	151.0	6.71	6.39	-5.41	-5.41	-19.29
GEW-167	9/9/2020 8:43:48 AM	18.6	52.0	0.0	29.4	151.4	151.3	5.41	6.31	-5.41	-5.41	-18.96
GEW-167	9/21/2020 9:52:54 AM	17.9	50.0	0.0	32.1	151.3	151.4	4.07	2.49	-5.78	-5.78	-19.20
GEW-167	9/21/2020 9:53:42 AM	18.0	49.8	0.0	32.2	152.1	151.7	4.06	2.49	-5.74	-5.74	-18.94
GEW-168	9/11/2020 1:44:01 PM	40.8	58.1	0.1	1.0	110.2	110.2	6.98	7.47	-0.11	-0.09	-18.24
GEW-168	9/11/2020 1:45:45 PM	41.0	56.3	0.3	2.4	114.3	114.4	5.24	6.42	-0.35	-0.33	-18.45
GEW-168	9/24/2020 2:04:26 PM	42.2	50.0	0.3	7.5	109.4	109.5	2.63	2.63	-0.14	-0.12	-18.82
GEW-169	9/11/2020 9:33:35 AM	21.9	48.9	1.8	27.4	125.6	125.6	12.31	9.97	-0.24	-0.24	-18.83
GEW-169	9/24/2020 2:12:07 PM	25.7	44.6	0.4	29.3	123.4	123.2	5.13	8.12	0.04	0.03	-18.94
GEW-169	9/24/2020 2:14:04 PM	25.9	44.8	0.3	29.0	128.0	128.0	5.69	3.60	-0.03	-0.03	-18.73
GEW-170	9/11/2020 9:21:16 AM	10.8	37.9	4.9	46.4	121.3	121.0	6.31	6.31	-0.14	-0.14	-18.83
GEW-170	9/23/2020 2:33:07 PM	10.8	38.9	3.7	46.6	118.9	118.9	9.37	10.72	-0.11	-0.11	-18.66
GEW-171	9/9/2020 2:22:36 PM	21.6	59.0	1.9	17.5	109.5	109.5	4.43	5.15	-14.33	-14.38	-16.55
GEW-171	9/23/2020 10:20:10 AM	23.7	53.5	4.4	18.4	77.7	77.7	5.44	5.32	-15.52	-15.35	-17.27
GEW-171	9/23/2020 10:21:32 AM	23.3	56.8	4.5	15.4	75.5	75.5	8.15	5.59	-14.67	-14.55	-17.73
GEW-172	9/2/2020 9:53:14 AM	25.7	48.2	2.0	24.1	141.9	141.9	4.26	8.52	-4.94	-4.94	-18.27
GEW-172	9/2/2020 9:54:36 AM	25.5	49.1	2.2	23.2	141.9	141.9	10.14	6.02	-4.94	-4.90	-18.14
GEW-172	9/16/2020 11:08:38 AM	26.1	47.9	2.4	23.6	140.9	140.9	11.07	7.00	-4.90	-4.95	-18.87
GEW-172	9/16/2020 11:09:54 AM	25.8	47.3	2.2	24.7	141.2	140.6	8.21	10.79	-4.78	-4.74	-19.00
GEW-174	9/9/2020 2:10:19 PM	18.5	42.9	0.0	38.6	116.3	116.3	8.64	9.02	-1.29	-1.29	-18.24
GEW-174	9/23/2020 10:11:19 AM	16.0	45.1	0.0	38.9	92.7	92.9	12.14	11.52	-1.27	-1.27	-19.38
GEW-175	9/4/2020 11:30:06 AM	33.7	41.5	1.2	23.6	135.3	135.3	21.04	20.28	-0.22	-0.19	-20.47
GEW-175	9/4/2020 11:31:43 AM	33.8	41.2	1.2	23.8	135.5	135.3	14.87	9.07	-0.22	-0.18	-20.21
GEW-175	9/17/2020 10:53:42 AM	34.2	42.9	1.0	21.9	134.1	134.1	25.33	21.97	-0.15	-0.16	-18.99
GEW-175	9/17/2020 10:55:05 AM	33.9	42.1	1.0	23.0	133.9	133.8	31.99	31.99	-0.15	-0.15	-19.66
GEW-177	9/10/2020 2:58:35 PM	12.9	42.0	2.9	42.2	165.7	165.7	13.93	14.68	-14.25	-14.21	-18.62

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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-177	9/10/2020 3:00:01 PM	12.7	45.4	2.9	39.0	164.8	165.7	10.66	8.69	-14.21	-14.21	-18.83
GEW-177	9/21/2020 11:43:11 AM	16.4	52.0	0.3	31.3	165.9	165.2	16.19	12.89	-13.55	-13.55	-17.93
GEW-177	9/21/2020 11:44:46 AM	15.9	51.3	0.2	32.6	165.9	165.7	13.67	17.90	-14.06	-14.06	-17.93
GEW-178	9/8/2020 2:58:20 PM	40.1	39.1	2.4	18.4	97.7	97.9	3.57	3.75	-0.53	-0.52	-19.28
GEW-178	9/22/2020 11:32:02 AM	33.5	38.6	3.4	24.5	87.5	87.5	6.23	5.30	-0.38	-0.38	-19.04
GEW-179	9/9/2020 11:03:39 AM	40.4	44.9	0.0	14.7	98.2	98.2	8.65	7.03	-3.37	-3.36	-18.20
GEW-179	9/22/2020 3:13:49 PM	40.0	40.4	0.3	19.3	100.3	100.4	8.09	9.52	-3.51	-3.49	-18.62
GEW-180	9/9/2020 11:43:09 AM	37.1	59.1	0.5	3.3	95.8	95.8	2.19	4.90	-15.60	-15.90	-16.51
GEW-180	9/23/2020 9:00:13 AM	37.6	61.1	0.4	0.9	77.1	76.8	3.39	2.26	-16.91	-16.58	-18.49
GEW-181	9/9/2020 1:48:48 PM	32.5	66.8	0.0	0.7	96.9	97.0	11.94	11.94	-12.18	-12.18	-18.87
GEW-181	9/23/2020 9:24:30 AM	29.3	70.7	0.0	0.0	81.0	81.0	16.03	9.87	-11.21	-11.21	-19.63
GEW-185	9/8/2020 2:41:26 PM	45.0	55.0	0.0	0.0	105.0	105.2	3.89	3.72	-0.10	-0.10	-18.62
GEW-185	9/23/2020 1:31:20 PM	42.4	54.2	0.1	3.3	83.9	83.9	5.18	5.31	-0.10	-0.10	-18.52
GEW-186	9/10/2020 3:10:53 PM	47.9	46.5	0.0	5.6	87.9	88.2	6.01	4.10	-0.02	-0.02	-18.87
GEW-186	9/10/2020 3:12:57 PM	48.0	45.8	0.0	6.2	92.7	92.9	4.13	3.80	-0.09	-0.12	-18.91
GEW-186	9/23/2020 2:29:46 PM	28.7	38.5	2.5	30.3	89.3	89.4	8.48	4.16	-0.09	-0.09	-18.66
GEW-187	9/1/2020 2:10:02 PM	45.9	50.0	0.0	4.1	112.5	112.5	8.53	6.97	-2.12	-2.11	-18.74
GEW-187	9/11/2020 1:46:00 PM	49.1	50.2	0.0	0.7	117.1	117.1	6.15	7.53	-2.08	-2.07	-18.65
GEW-187	9/11/2020 1:51:00 PM	49.7	49.6	0.0	0.7	117.2	117.1	5.75	7.84	-2.05	-2.05	-18.52
GEW-187	9/11/2020 5:03:07 PM	44.5	51.0	0.0	4.5	117.3	117.3	5.65	6.24	-2.14	-2.13	-18.90
GEW-187	9/16/2020 10:39:25 AM	46.1	52.4	0.0	1.5	108.9	109.0	3.66	6.04	-2.10	-2.10	-18.39
GEW-187	9/23/2020 10:20:17 AM	46.0	50.3	0.0	3.7	105.4	105.2	6.75	6.93	-2.10	-2.10	-19.11
GEW-187	9/28/2020 11:15:54 AM	46.5	51.0	0.0	2.5	96.7	97.2	10.93	12.39	-2.07	-2.05	-18.94
GEW-217	9/9/2020 10:41:58 AM	17.2	60.1	0.0	22.7	156.0	156.2	7.80	11.44	-11.84	-11.50	-12.64
GEW-217	9/9/2020 10:43:21 AM	16.8	60.2	0.0	23.0	156.5	156.1	7.13	14.49	-11.50	-11.50	-12.43
GEW-217	9/22/2020 8:08:47 AM	17.5	47.3	1.3	33.9	136.4	138.0	9.32	6.73	-10.81	-10.81	-12.18
GEW-217	9/22/2020 8:10:25 AM	17.6	51.6	0.5	30.3	139.6	139.6	9.70	9.21	-11.14	-11.14	-12.85
GEW-218	9/9/2020 10:48:29 AM	21.5	49.5	0.8	28.2	117.3	117.1	8.84	8.63	-0.64	-0.62	-18.91
GEW-218	9/22/2020 3:02:41 PM	29.7	49.5	0.3	20.5	120.7	120.7	9.12	10.29	-0.40	-0.39	-19.04
GEW-220	9/9/2020 11:12:27 AM	38.4	51.3	0.0	10.3	149.9	149.9	12.63	10.91	-12.18	-11.84	-17.94
GEW-220	9/9/2020 11:13:32 AM	38.6	50.9	0.0	10.5	150.2	150.2	12.42	12.74	-12.30	-12.35	-18.24
GEW-220	9/21/2020 10:38:01 AM	33.0	50.7	0.2	16.1	161.6	161.1	15.09	14.26	-8.78	-8.78	-18.48
GEW-220	9/21/2020 10:40:25 AM	33.0	48.5	0.3	18.2	161.6	161.6	15.51	13.46	-8.82	-8.82	-18.35
GEW-221	9/9/2020 11:50:50 AM	29.7	60.3	0.1	9.9	117.1	117.3	6.45	3.62	-2.76	-2.73	-18.20
GEW-221	9/23/2020 9:11:03 AM	28.3	64.4	0.1	7.2	94.6	94.5	4.92	6.39	-4.92	-4.91	-19.50
GEW-222	9/9/2020 2:15:30 PM	50.7	45.5	0.2	3.6	98.9	98.9	5.40	7.15	-11.29	-11.25	-18.32
GEW-222	9/23/2020 10:17:08 AM	50.9	47.0	0.1	2.0	85.2	85.1	10.24	11.08	-11.16	-11.16	-19.21
GEW-223	9/2/2020 9:58:17 AM	35.4	64.6	0.0	0.0	124.7	124.7	6.12	5.84	-4.86	-4.81	-18.31
GEW-223	9/23/2020 11:21:07 AM	33.1	66.9	0.0	0.0	125.6	125.6	13.87	4.55	-3.31	-3.36	-19.33
GEW-224	9/10/2020 8:51:34 AM	34.8	61.9	0.0	3.3	151.7	151.7	11.47	11.61	-13.23	-13.19	-19.17

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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-224	9/10/2020 8:52:56 AM	35.2	61.2	0.0	3.6	151.7	151.9	10.26	9.56	-13.53	-13.53	-19.04
GEW-224	9/21/2020 11:38:23 AM	35.7	59.8	0.2	4.3	154.8	154.8	12.79	12.75	-11.82	-11.82	-18.27
GEW-224	9/21/2020 11:39:18 AM	35.5	57.3	0.2	7.0	154.8	154.9	13.25	12.40	-11.82	-11.82	-18.14
GEW-225	9/10/2020 8:46:56 AM	21.4	57.5	0.0	21.1	156.0	156.0	5.82	8.59	-6.43	-6.43	-19.38
GEW-225	9/10/2020 8:48:19 AM	21.5	57.3	0.0	21.2	156.0	156.0	10.34	9.67	-6.09	-6.09	-19.33
GEW-225	9/21/2020 11:48:37 AM	22.9	55.1	0.3	21.7	157.3	157.3	10.07	10.27	-5.74	-5.74	-18.27
GEW-225	9/21/2020 11:49:25 AM	23.2	54.3	0.3	22.2	157.3	157.3	10.75	9.82	-5.74	-5.74	-18.31
GEW-226	9/10/2020 8:35:33 AM	38.6	45.9	0.0	15.5	175.3	175.3	12.86	12.86	-2.24	-2.24	-19.33
GEW-226	9/10/2020 8:36:54 AM	38.4	46.4	0.0	15.2	175.8	175.8	7.15	8.53	-2.27	-2.26	-19.21
GEW-226	9/21/2020 11:56:59 AM	37.5	48.0	0.0	14.5	174.8	174.7	19.60	19.27	-1.97	-1.97	-18.22
GEW-226	9/21/2020 11:58:03 AM	38.1	46.8	0.0	15.1	174.7	174.7	18.99	19.45	-1.98	-1.99	-18.35
GEW-227	9/8/2020 9:47:34 AM	6.5	38.8	3.0	51.7	187.0	187.0	4.26	4.69	-0.56	-0.57	-19.08
GEW-227	9/8/2020 9:48:46 AM	6.4	38.4	3.0	52.2	187.0	187.0	3.49	3.39	-0.58	-0.57	-18.87
GEW-227	9/18/2020 10:17:31 AM	6.3	37.7	4.5	51.5	182.8	182.7	3.66	4.90	-0.70	-0.70	-18.82
GEW-227	9/18/2020 10:18:52 AM	6.5	35.6	4.6	53.3	183.3	182.7	5.45	5.45	-0.73	-0.73	-19.03
GEW-228	9/8/2020 9:02:35 AM	1.6	34.4	0.4	63.6	190.2	190.2	1.96	1.78	0.01	0.01	-18.79
GEW-228	9/8/2020 9:05:02 AM	1.5	35.4	0.4	62.7	191.6	191.6	3.23	3.20	-0.01	-0.02	-18.70
GEW-228	9/18/2020 9:33:48 AM	2.7	27.3	6.1	63.9	183.3	182.7	4.38	4.05	-0.04	-0.04	-19.11
GEW-228	9/18/2020 9:36:40 AM	2.5	26.3	6.1	65.1	183.3	183.3	2.94	1.70	-0.04	-0.04	-19.11
GEW-228	9/18/2020 3:16:45 PM	5.9	26.9	4.3	62.9	182.8	182.8	3.54	3.10	-0.04	-0.04	-19.03
GEW-229	9/8/2020 8:58:42 AM	7.5	28.4	0.0	64.1	98.7	98.5	8.02	7.37	-0.01	-0.01	-18.70
GEW-229	9/21/2020 2:45:44 PM	16.0	32.3	0.0	51.7	99.9	99.9	2.25	2.25	0.04	0.03	-18.44
GEW-229	9/21/2020 2:49:05 PM	15.9	31.1	0.0	53.0	101.3	101.6	4.90	4.63	-0.04	-0.04	-18.94
GEW-230	9/4/2020 9:29:40 AM	1.6	25.3	3.1	70.0	161.1	161.1	3.82	4.21	-0.10	-0.09	-20.01
GEW-230	9/4/2020 9:30:48 AM	1.6	24.3	3.2	70.9	161.1	161.6	4.68	4.56	-0.09	-0.09	-19.88
GEW-230	9/17/2020 1:32:23 PM	10.1	32.1	0.1	57.7	157.6	158.1	7.91	7.90	-0.12	-0.12	-19.32
GEW-230	9/17/2020 1:33:28 PM	9.8	32.9	0.0	57.3	157.7	157.3	8.17	5.59	-0.10	-0.11	-18.99
GEW-232	9/4/2020 10:32:52 AM	28.8	68.0	0.0	3.2	161.1	161.6	10.51	8.82	-3.50	-3.50	-18.74
GEW-232	9/4/2020 10:33:51 AM	29.2	65.0	0.0	5.8	161.1	161.2	10.02	12.39	-3.51	-3.52	-19.21
GEW-232	9/17/2020 1:57:46 PM	31.0	57.1	0.0	11.9	159.0	159.4	12.90	14.24	-3.47	-3.48	-19.03
GEW-232	9/17/2020 1:58:37 PM	31.4	57.3	0.0	11.3	159.4	159.4	12.97	12.93	-3.52	-3.54	-19.15
GEW-233	9/11/2020 2:22:16 PM	8.5	42.1	1.2	48.2	111.3	111.5	9.92	9.01	-0.12	-0.11	-13.02
GEW-233	9/24/2020 2:39:43 PM	6.4	36.7	2.1	54.8	104.0	104.0	10.42	9.55	-0.17	-0.15	-13.36
GEW-234	9/11/2020 2:14:43 PM	4.5	57.9	0.7	36.9	199.3	199.3	6.08	5.93	-0.09	-0.06	-16.13
GEW-234	9/11/2020 2:16:03 PM	4.8	59.1	0.6	35.5	199.3	199.4	9.80	11.61	-0.11	-0.12	-16.55
GEW-234	9/21/2020 2:07:12 PM	7.9	39.1	3.3	49.7	195.7	195.7	9.66	11.65	-0.34	-0.33	-18.39
GEW-234	9/21/2020 2:08:52 PM	7.4	39.1	3.3	50.2	195.7	195.7	10.66	10.66	-0.34	-0.34	-18.73
GEW-235	9/8/2020 2:46:47 PM	35.3	53.1	0.0	11.6	145.3	145.3	2.32	4.15	-3.39	-3.37	-18.83
GEW-235	9/8/2020 2:47:47 PM	35.3	53.8	0.0	10.9	145.4	145.2	4.76	4.15	-3.37	-3.36	-18.62
GEW-235	9/18/2020 10:59:57 AM	30.1	56.8	0.0	13.1	130.3	130.3	5.71	5.51	-3.26	-3.26	-18.86

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		(% vol)				°F		scfm		H ₂ O		
GEW-236	9/4/2020 2:21:35 PM	2.8	54.3	0.1	42.8	204.7	204.7	11.54	11.23	-0.34	-0.33	-17.86
GEW-236	9/4/2020 2:22:45 PM	3.1	51.7	0.1	45.1	204.7	204.7	10.38	9.96	-0.34	-0.32	-18.62
GEW-236	9/17/2020 2:51:11 PM	1.6	49.8	0.0	48.6	204.7	204.7	5.37	5.29	0.37	0.38	-16.15
GEW-236	9/17/2020 2:53:40 PM	1.5	54.9	0.0	43.6	204.7	204.7	5.02	4.02	-0.14	-0.14	-17.42
GEW-237	9/4/2020 11:25:51 AM	35.0	44.2	1.8	19.0	148.8	148.8	13.42	14.90	-0.11	-0.10	-17.63
GEW-237	9/4/2020 11:26:56 AM	35.3	43.7	1.8	19.2	149.2	149.5	10.50	10.50	-0.12	-0.12	-19.32
GEW-237	9/17/2020 10:49:34 AM	38.2	47.3	0.7	13.8	147.7	147.7	10.06	8.86	-0.08	-0.09	-17.34
GEW-237	9/17/2020 10:50:26 AM	38.8	46.9	0.7	13.6	147.7	147.7	12.67	12.67	-0.08	-0.08	-18.48
GEW-238	9/4/2020 2:04:12 PM	15.5	66.4	0.0	18.1	190.9	190.9	37.49	36.83	-1.23	-1.22	-18.66
GEW-238	9/4/2020 2:05:40 PM	15.4	64.4	0.0	20.2	190.8	190.9	36.73	37.10	-1.22	-1.21	-19.67
GEW-238	9/17/2020 2:31:47 PM	16.4	63.6	0.0	20.0	189.6	189.4	35.93	35.94	-1.23	-1.23	-17.72
GEW-238	9/17/2020 2:32:46 PM	16.0	62.2	0.0	21.8	189.6	189.5	36.04	36.63	-1.26	-1.26	-18.10
GEW-239	9/4/2020 9:40:30 AM	1.2	52.4	1.4	45.0	202.3	202.3	9.89	9.98	-0.37	-0.37	-19.33
GEW-239	9/4/2020 9:41:57 AM	1.2	52.4	1.4	45.0	202.3	202.3	9.84	7.59	-0.37	-0.36	-19.50
GEW-239	9/17/2020 9:39:18 AM	1.7	52.9	1.1	44.3	200.8	200.5	10.49	10.88	-0.24	-0.25	-18.39
GEW-239	9/17/2020 9:40:37 AM	1.3	55.5	1.1	42.1	200.8	200.1	9.77	10.15	-0.24	-0.24	-18.01
GEW-240	9/11/2020 2:28:50 PM	15.1	43.7	0.0	41.2	194.3	194.3	5.03	7.31	-0.11	-0.10	-18.41
GEW-240	9/11/2020 2:29:37 PM	15.4	44.1	0.0	40.5	194.3	194.5	9.79	9.75	-0.06	-0.06	-18.28
GEW-240	9/21/2020 2:26:57 PM	9.8	35.0	0.0	55.2	192.9	192.5	8.64	8.64	-0.14	-0.14	-18.60
GEW-240	9/21/2020 2:27:42 PM	9.7	34.5	0.0	55.8	192.9	192.7	9.26	10.08	-0.11	-0.11	-18.18
GEW-25	9/1/2020 9:55:09 AM	57.2	38.0	0.2	4.6	74.5	74.5	9.84	11.95	-0.85	-0.89	-12.94
GEW-25	9/10/2020 2:20:01 PM	55.9	35.6	0.2	8.3	85.1	85.1	10.31	10.31	-1.26	-1.26	-12.89
GEW-25	9/14/2020 8:08:46 AM	59.1	37.6	0.3	3.0	71.2	71.2	19.76	17.67	-0.82	-0.86	-13.06
GEW-25	9/14/2020 8:14:32 AM	59.0	35.9	0.2	4.9	72.3	72.3	17.87	17.87	-0.82	-0.84	-13.06
GEW-25	9/14/2020 3:42:03 PM	63.7	33.9	0.0	2.4	87.8	87.9	1.63	2.00	-1.24	-1.25	-13.14
GEW-25	9/21/2020 11:33:31 AM	61.6	38.0	0.0	0.4	88.2	88.0	4.32	1.63	-0.76	-0.76	-12.85
GEW-25	9/21/2020 11:34:52 AM	61.8	37.0	0.0	1.2	86.5	86.5	9.18	4.33	-1.27	-1.27	-13.18
GEW-25	9/29/2020 11:10:34 AM	55.5	39.6	0.0	4.9	71.2	71.3	8.24	9.14	-1.25	-1.25	-13.18
GIW-01	9/1/2020 9:17:28 AM	33.1	63.6	0.4	2.9	139.3	139.0	6.53	6.69	-0.69	-0.67	-17.86
GIW-01	9/1/2020 9:18:33 AM	32.1	61.1	0.2	6.6	139.0	139.0	4.23	4.23	-0.67	-0.67	-17.65
GIW-01	9/10/2020 10:21:51 AM	33.0	56.8	0.0	10.2	137.7	137.7	8.62	10.89	-0.89	-0.88	-17.25
GIW-01	9/10/2020 10:31:53 AM	32.8	58.6	0.0	8.6	139.0	139.0	4.03	3.39	-0.79	-0.78	-16.91
GIW-01	9/16/2020 8:36:26 AM	33.6	54.9	0.6	10.9	137.7	137.7	8.22	7.81	-0.92	-0.91	-18.39
GIW-01	9/16/2020 8:37:19 AM	33.4	56.9	0.4	9.3	137.4	137.4	4.59	4.59	-0.90	-0.90	-18.14
GIW-01	9/23/2020 8:17:06 AM	33.8	52.8	0.3	13.1	130.3	130.0	5.00	4.13	-1.05	-1.04	-16.91
GIW-01	9/28/2020 9:00:19 AM	32.4	56.4	0.6	10.6	121.0	121.0	3.25	3.59	-1.19	-1.17	-16.91
GIW-02	9/1/2020 9:20:43 AM	9.5	60.9	1.5	28.1	76.2	76.1	4.58	4.58	-0.23	-0.22	-19.12
GIW-02	9/10/2020 10:48:04 AM	10.6	49.4	3.1	36.9	80.7	80.7	3.69	2.61	-0.21	-0.20	-18.27
GIW-02	9/10/2020 10:54:02 AM	10.2	50.0	3.1	36.7	81.5	81.5	3.86	2.02	-0.21	-0.20	-17.93
GIW-02	9/16/2020 8:40:06 AM	11.1	47.1	3.6	38.2	68.6	68.5	3.95	3.58	-0.25	-0.24	-19.75

September 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GIW-02	9/23/2020 8:29:30 AM	10.2	42.3	3.9	43.6	65.6	65.6	1.20	1.20	-0.26	-0.26	-19.28
GIW-02	9/28/2020 9:04:02 AM	10.2	40.7	4.8	44.3	58.2	58.2	2.98	2.98	-0.29	-0.29	-19.28
GIW-03	9/1/2020 9:23:10 AM	24.2	54.7	0.1	21.0	76.4	76.4	4.02	3.48	-7.15	-7.15	-19.46
GIW-03	9/10/2020 10:57:56 AM	24.7	51.5	0.0	23.8	80.5	80.5	5.14	3.45	-6.25	-6.25	-18.27
GIW-03	9/10/2020 11:04:12 AM	25.1	47.7	0.0	27.2	80.5	80.5	3.04	3.45	-6.25	-6.25	-18.18
GIW-03	9/16/2020 8:43:06 AM	23.1	49.6	0.5	26.8	66.8	66.8	5.77	5.52	-6.80	-6.80	-19.70
GIW-03	9/23/2020 8:36:55 AM	23.1	46.4	0.0	30.5	65.6	65.6	3.34	3.34	-6.92	-6.92	-19.28
GIW-03	9/28/2020 9:07:36 AM	23.1	47.2	0.2	29.5	58.7	58.7	3.58	3.77	-7.43	-7.43	-19.28
GIW-04	9/1/2020 9:25:10 AM	24.3	49.2	0.7	25.8	77.8	77.8	4.37	4.21	-3.83	-3.83	-19.55
GIW-04	9/10/2020 11:07:50 AM	22.8	44.1	2.0	31.1	82.2	82.3	2.82	2.58	-3.65	-3.66	-17.93
GIW-04	9/10/2020 11:14:45 AM	25.9	51.0	0.0	23.1	83.5	83.5	2.38	2.38	-3.68	-3.68	-18.22
GIW-04	9/16/2020 8:46:10 AM	22.5	44.3	2.6	30.6	67.9	67.9	3.93	4.27	-3.42	-3.41	-19.49
GIW-04	9/23/2020 8:40:37 AM	25.1	47.9	0.4	26.6	65.4	65.4	2.66	2.91	-3.81	-3.81	-19.28
GIW-04	9/28/2020 9:11:38 AM	22.0	43.7	3.0	31.3	58.7	58.7	1.70	1.70	-3.94	-3.94	-19.28
GIW-05	9/1/2020 9:28:45 AM	32.8	35.9	2.5	28.8	78.8	78.8	4.35	4.19	-5.12	-5.12	-19.21
GIW-05	9/10/2020 11:21:19 AM	35.6	38.3	1.5	24.6	82.8	82.8	3.45	3.04	-4.26	-4.26	-17.93
GIW-05	9/10/2020 11:27:01 AM	33.1	36.8	1.3	28.8	84.4	84.3	5.38	4.29	-4.27	-4.25	-17.93
GIW-05	9/16/2020 8:56:38 AM	35.0	37.6	2.5	24.9	68.7	68.7	4.72	4.72	-4.76	-4.76	-19.49
GIW-05	9/23/2020 8:49:14 AM	34.5	35.0	2.7	27.8	66.1	66.3	2.90	2.90	-4.82	-4.82	-19.11
GIW-05	9/28/2020 9:17:25 AM	35.7	38.7	2.4	23.2	58.7	58.7	1.70	1.70	-4.90	-4.90	-19.37
GIW-06	9/1/2020 9:30:31 AM	38.2	39.4	0.3	22.1	77.5	77.5	4.06	3.19	-18.27	-18.27	-19.55
GIW-06	9/10/2020 11:30:24 AM	39.0	40.2	0.0	20.8	84.4	84.4	7.11	7.19	-17.01	-17.01	-18.22
GIW-06	9/10/2020 11:35:39 AM	39.3	39.4	0.0	21.3	83.7	83.7	7.29	6.85	-17.01	-17.01	-17.93
GIW-06	9/16/2020 8:58:48 AM	39.1	39.6	0.9	20.4	68.2	68.1	8.99	8.91	-17.94	-17.94	-19.62
GIW-06	9/23/2020 8:56:07 AM	40.5	38.2	0.4	20.9	65.6	65.6	5.26	4.44	-17.94	-17.94	-19.28
GIW-06	9/28/2020 9:59:36 AM	41.5	41.0	0.2	17.3	60.4	60.4	4.33	4.33	-18.24	-18.24	-19.32
GIW-07	9/1/2020 9:32:40 AM	52.9	44.7	0.2	2.2	78.4	78.4	4.69	4.54	-1.93	-1.93	-19.21
GIW-07	9/10/2020 11:38:56 AM	50.8	44.2	0.3	4.7	85.4	85.4	8.22	8.38	-1.62	-1.62	-17.93
GIW-07	9/10/2020 11:44:41 AM	52.2	45.1	0.0	2.7	86.3	86.3	8.29	8.13	-1.56	-1.55	-17.84
GIW-07	9/16/2020 9:02:28 AM	52.2	45.2	0.4	2.2	69.7	69.8	1.68	1.19	-1.58	-1.57	-19.49
GIW-07	9/23/2020 8:58:54 AM	52.5	44.8	0.0	2.7	66.0	65.9	3.38	3.58	-1.69	-1.69	-18.94
GIW-07	9/28/2020 10:01:53 AM	51.5	45.0	0.3	3.2	60.9	60.9	5.52	4.51	-1.74	-1.72	-19.79
GIW-08	9/1/2020 9:34:42 AM	50.3	44.6	0.0	5.1	78.7	78.7	4.68	3.70	-2.63	-2.62	-19.42
GIW-08	9/10/2020 11:48:42 AM	49.2	44.9	0.0	5.9	87.5	87.5	1.98	1.62	-2.06	-2.08	-17.93
GIW-08	9/10/2020 11:54:37 AM	49.1	44.3	0.0	6.6	88.8	88.9	7.74	7.99	-2.57	-2.56	-18.18
GIW-08	9/16/2020 9:04:47 AM	50.0	45.1	0.2	4.7	71.8	71.8	3.91	3.91	-2.67	-2.67	-19.15
GIW-08	9/23/2020 9:02:18 AM	50.1	43.7	0.0	6.2	66.7	66.7	3.36	2.06	-2.74	-2.74	-19.28
GIW-08	9/28/2020 10:04:36 AM	50.6	45.3	0.0	4.1	61.4	61.4	3.80	2.94	-2.82	-2.83	-18.94
GIW-09	9/1/2020 9:37:15 AM	33.8	43.6	0.0	22.6	79.1	79.1	4.23	4.06	-0.80	-0.80	-19.55
GIW-09	9/10/2020 11:57:23 AM	33.5	43.1	0.0	23.4	87.5	87.7	8.13	8.21	-0.76	-0.76	-18.18

September 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GIW-09	9/10/2020 12:02:37 PM	33.4	43.1	0.0	23.5	91.0	91.0	8.08	7.92	-0.75	-0.74	-17.93
GIW-09	9/16/2020 9:06:48 AM	35.1	42.0	0.1	22.8	72.8	73.0	2.36	1.67	-0.66	-0.65	-19.49
GIW-09	9/23/2020 9:05:20 AM	35.0	41.0	0.0	24.0	67.2	67.2	2.92	1.19	-0.73	-0.72	-19.28
GIW-09	9/28/2020 10:07:08 AM	34.8	40.0	0.0	25.2	61.6	61.6	2.96	2.96	-0.81	-0.82	-19.87
GIW-10	9/1/2020 9:38:40 AM	29.0	38.0	0.0	33.0	78.4	78.4	4.21	3.50	-3.42	-3.41	-19.55
GIW-10	9/10/2020 1:40:34 PM	31.1	34.8	0.2	33.9	90.8	90.8	2.24	1.19	-3.09	-3.08	-18.94
GIW-10	9/10/2020 1:45:49 PM	31.1	34.4	0.1	34.4	90.1	90.1	7.45	8.04	-3.15	-3.15	-18.77
GIW-10	9/16/2020 9:08:50 AM	31.0	38.5	0.2	30.3	71.5	71.5	5.52	4.99	-3.16	-3.16	-19.49
GIW-10	9/23/2020 9:08:14 AM	30.9	37.1	0.0	32.0	66.8	66.8	2.38	3.14	-3.26	-3.26	-19.28
GIW-10	9/28/2020 10:09:34 AM	30.7	38.4	0.0	30.9	63.5	63.6	2.67	3.78	-3.49	-3.49	-19.70
GIW-11	9/1/2020 9:46:58 AM	29.7	36.4	0.2	33.7	76.8	76.8	3.71	5.75	-2.38	-2.37	-14.70
GIW-11	9/10/2020 1:49:09 PM	29.5	33.7	0.4	36.4	89.8	90.0	6.84	4.28	-2.08	-2.09	-18.60
GIW-11	9/10/2020 1:54:58 PM	29.6	33.7	0.4	36.3	90.5	90.4	3.25	3.25	-2.12	-2.13	-16.24
GIW-11	9/16/2020 9:11:08 AM	28.8	36.9	0.5	33.8	72.9	73.0	5.88	5.88	-2.22	-2.22	-16.74
GIW-11	9/23/2020 9:13:08 AM	28.0	34.6	0.1	37.3	67.3	67.3	3.15	6.62	-2.30	-2.30	-17.51
GIW-11	9/28/2020 10:12:31 AM	28.1	35.8	0.4	35.7	65.1	65.1	4.77	2.39	-2.46	-2.47	-17.97
GIW-12	9/1/2020 9:49:15 AM	37.4	40.0	0.4	22.2	76.6	76.6	4.57	4.25	-0.42	-0.42	-19.21
GIW-12	9/10/2020 1:58:24 PM	36.9	37.5	0.5	25.1	87.7	87.7	8.21	8.04	-0.40	-0.40	-18.65
GIW-12	9/10/2020 2:03:39 PM	36.9	36.9	0.5	25.7	87.5	87.5	8.13	7.62	-0.41	-0.41	-18.73
GIW-12	9/16/2020 9:13:13 AM	34.6	38.5	0.4	26.5	73.4	73.4	1.18	2.05	-0.39	-0.39	-19.58
GIW-12	9/23/2020 9:15:49 AM	33.9	36.7	0.2	29.2	67.4	67.4	3.58	1.69	-0.39	-0.38	-18.94
GIW-12	9/28/2020 10:15:48 AM	35.0	38.2	0.5	26.3	64.7	64.9	1.70	2.68	-0.39	-0.38	-19.28
GIW-13	9/1/2020 1:42:05 PM	46.7	43.9	0.1	9.3	79.9	80.0	8.11	5.24	-1.04	-1.03	-12.22
GIW-13	9/10/2020 2:06:56 PM	44.9	44.9	0.1	10.1	86.1	86.1	8.21	8.05	-1.21	-1.21	-11.71
GIW-13	9/10/2020 2:11:44 PM	44.7	44.8	0.1	10.4	85.6	85.6	7.28	8.14	-1.23	-1.24	-12.18
GIW-13	9/16/2020 9:15:12 AM	43.4	46.1	0.1	10.4	73.3	73.4	2.04	1.18	-1.38	-1.37	-13.74
GIW-13	9/23/2020 9:18:18 AM	43.0	43.7	0.0	13.3	67.7	67.7	4.29	1.68	-1.38	-1.38	-12.52
GIW-13	9/28/2020 10:18:38 AM	42.9	45.7	0.0	11.4	66.9	67.0	2.67	3.37	-1.51	-1.51	-12.81
LCS-1D	9/4/2020 9:59:13 AM	52.4	40.1	1.6	5.9	89.3	89.3	8.27	8.19	-2.41	-2.40	-15.12
LCS-1D	9/22/2020 8:22:21 AM	53.2	39.8	1.0	6.0	69.2	69.2	3.35	3.56	-2.02	-2.02	-15.22
LCS-2D	9/9/2020 1:51:45 PM	56.5	43.5	0.0	0.0	100.7	100.7	6.66	7.41	-17.93	-17.93	-18.24
LCS-2D	9/23/2020 9:29:57 AM	55.4	44.6	0.0	0.0	67.5	67.6	2.81	4.73	-18.22	-18.27	-19.08
LCS-3D	9/14/2020 9:07:27 AM	29.8	53.2	2.6	14.4	146.0	146.0	18.44	23.07	-12.49	-12.49	-18.86
LCS-3D	9/14/2020 9:09:06 AM	28.1	52.2	3.3	16.4	145.9	145.9	24.57	24.61	-12.49	-12.49	-19.03
LCS-3D	9/21/2020 2:37:29 PM	30.0	59.3	0.3	10.4	162.9	162.7	6.10	5.51	-9.46	-9.46	-18.69
LCS-3D	9/21/2020 2:38:22 PM	29.6	58.4	0.3	11.7	162.9	162.9	8.84	8.84	-9.50	-9.50	-18.90
LCS-4B	9/4/2020 2:17:53 PM	7.5	25.9	11.9	54.7	94.8	94.8	3.21	3.21	-2.36	-2.35	-18.20
LCS-4B	9/4/2020 2:19:00 PM	8.7	32.7	10.0	48.6	94.2	94.1	1.14	2.79	-2.10	-2.10	-18.20
LCS-4B	9/17/2020 11:40:54 AM	11.6	45.3	7.4	35.7	82.6	82.8	1.64	2.59	-0.92	-0.93	-17.84
LCS-4B	9/17/2020 11:41:51 AM	12.1	49.3	6.4	32.2	83.4	83.5	3.06	1.64	-1.05	-1.06	-17.59


September 2020 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
LCS-5A	9/3/2020 1:47:02 PM	50.9	37.1	1.8	10.2	103.8	103.8	13.12	12.06	-12.92	-12.92	-12.90
LCS-5A	9/10/2020 1:44:50 PM	57.5	40.9	0.0	1.6	102.8	102.7	16.63	25.54	-1.82	-1.86	-13.82
LCS-5A	9/14/2020 10:20:15 AM	55.1	42.9	0.0	2.0	99.1	99.1	34.32	34.97	3.14	3.28	-10.66
LCS-5A	9/14/2020 10:22:05 AM	55.1	43.8	0.0	1.1	99.2	99.4	15.15	15.15	-1.96	-1.96	-13.35
LCS-5A	9/21/2020 9:45:18 AM	55.6	42.6	0.0	1.8	96.0	95.8	34.35	26.53	-6.26	-6.30	-13.14
LCS-5A	9/29/2020 9:49:44 AM	55.9	43.2	0.0	0.9	92.4	92.6	27.86	28.24	-6.60	-6.51	-13.48
LCS-5B	9/3/2020 1:50:51 PM	55.4	38.0	0.0	6.6	96.5	96.5	12.22	11.06	-12.92	-12.83	-13.15
LCS-5B	9/10/2020 1:48:31 PM	55.8	38.2	0.0	6.0	91.5	91.5	11.81	12.67	-13.15	-13.19	-13.23
LCS-5B	9/14/2020 10:46:32 AM	54.8	42.9	0.0	2.3	89.3	89.3	18.57	18.57	-13.02	-13.02	-13.06
LCS-5B	9/21/2020 9:58:23 AM	55.2	42.1	0.0	2.7	82.4	82.3	7.11	4.66	-12.90	-12.85	-13.06
LCS-5B	9/29/2020 10:03:51 AM	50.9	43.1	0.7	5.3	123.8	125.6	17.21	14.95	-10.66	-10.74	-13.18
LCS-6B	9/3/2020 1:55:04 PM	54.3	40.0	0.0	5.7	106.0	106.5	12.67	12.11	-0.68	-0.68	-13.15
LCS-6B	9/10/2020 2:31:58 PM	54.3	40.9	0.0	4.8	95.5	95.3	12.10	12.10	-0.76	-0.75	-12.89
LCS-6B	9/15/2020 9:09:28 AM	54.2	43.0	0.0	2.8	85.7	85.8	13.76	13.20	-0.92	-0.90	-13.10
LCS-6B	9/21/2020 11:48:01 AM	53.7	42.9	0.0	3.4	96.3	96.5	5.40	6.62	-0.79	-0.79	-13.06
LCS-6B	9/29/2020 11:26:27 AM	53.5	42.8	0.0	3.7	83.3	83.3	7.31	6.18	-1.02	-1.02	-12.85
SEW-002	9/11/2020 9:37:35 AM	10.8	20.4	14.5	54.3	79.1	79.1	2.98	2.86	-10.82	-10.95	-14.11
SEW-002	9/11/2020 9:39:23 AM	10.9	19.7	14.6	54.8	78.7	78.7	1.98	1.61	-7.74	-7.70	-14.45
SEW-002	9/21/2020 1:28:08 PM	36.7	55.6	0.3	7.4	93.4	93.4	2.28	1.97	-0.02	-0.02	-13.57
SEW-003	9/4/2020 10:39:29 AM	3.4	49.2	0.7	46.7	94.2	94.3	10.91	10.66	-0.14	-0.13	-19.50
SEW-003	9/24/2020 11:07:51 AM	3.0	40.3	1.0	55.7	84.8	84.9	4.17	3.47	-0.02	-0.03	-18.94
T-56	9/2/2020 7:59:41 AM	50.3	37.3	0.1	12.3	73.2	73.2	17.58	18.02	-0.06	-0.05	-13.53
T-56	9/11/2020 8:02:07 AM	49.4	37.4	0.0	13.2	74.5	74.7	13.07	12.77	-0.02	-0.02	-13.35
T-56	9/15/2020 9:54:39 AM	46.1	36.8	0.0	17.1	76.9	77.0	17.83	17.39	-0.01	-0.01	-13.69
T-56	9/22/2020 8:48:23 AM	47.1	36.2	0.0	16.7	73.0	73.0	20.15	18.06	-0.01	-0.01	-13.10
T-56	9/29/2020 11:46:23 AM	43.1	35.9	0.0	21.0	72.5	72.6	14.39	14.57	-0.01	-0.03	-13.56


ATTACHMENT D-2

MAXIMUM WELLHEAD TEMPERATURE TABLE

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	June 2020	July 2020	August 2020	September 2020	><30°F	
GEW-002	109.8	113.5	113.0	113.2		
GEW-003	117.3	120.0	114.3	111.2		
GEW-004	113.1	114.7	113.0	113.5		
GEW-005	87.5	92.7	90.5	85.1		
GEW-006	89.1	91.4	85.6	85.2		
GEW-007	95.9	96.0	98.3	94.1		
GEW-008	113.7	113.6	114.3	112.2		
GEW-009	123.9	122.1	123.4	121.0		
GEW-010	108.3	105.9	108.2	98.9		
GEW-013A	190.7	182.7	194.3	194.3		
GEW-015	128.6	125.6	125.3	122.3		
GEW-016R	169.5	168.5	166.6	164.7		
GEW-018B	200.1	197.9	200.8	200.1		
GEW-019A	107.5	109.5	111.7	105.3		
GEW-039	110.8	113.0	111.6	109.0		
GEW-040	104.8	102.3	85.8	85.8		
GEW-041R	98.4	109.2	95.5	92.3		
GEW-042R	106.0	107.7	105.0	104.9		
GEW-043R	115.6	116.8	115.3	115.0		
GEW-044	91.5	103.0	92.5	93.4		
GEW-045R	97.0	102.5	99.0	100.8		
GEW-046R	99.6	105.2	105.5	106.5		
GEW-047R	104.8	108.2	106.0	107.1		
GEW-048	98.9	100.8	98.7	97.2		
GEW-049	96.2	103.8	96.1	97.0		
GEW-050	104.5	103.8	104.3	100.3		
GEW-051	121.0	121.8	121.5	117.6		
GEW-052	110.3	110.0	110.8	105.4		
GEW-053	143.5	143.9	142.5	142.0		
GEW-054	146.3	146.3	145.9	145.9		
GEW-055	130.6	130.6	130.0	128.9		
GEW-056R	121.8	118.3	118.1	108.0		
GEW-057B	162.9	176.9	171.6	159.0		
GEW-058A	129.4	133.8	134.0	114.8		
GEW-059R	146.3	137.1	143.5	105.8		
GEW-067A	195.8	139.9	197.2	194.9		
GEW-068A	200.9	198.6	179.2	175.3		
GEW-078R	158.1	161.5	159.0	159.9		
GEW-082R	173.6	173.6	172.6	173.1		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	June 2020	July 2020	August 2020	September 2020	><30°F	
GEW-086	171.6	176.9	188.9	173.1		
GEW-087	188.4	158.1	195.7	204.7		
GEW-088	183.9	183.3	180.3	183.9		
GEW-090	167.1	169.5	165.7	167.6		
GEW-091	199.3	200.8	197.9	198.6		
GEW-100	165.7	174.7	121.0	154.0		
GEW-101	110.2	99.6	100.4	99.4		
GEW-102	96.2	103.6	97.4	86.4		
GEW-104	194.3	187.6	176.9	182.8		
GEW-105	141.9	139.0	136.2	126.7		
GEW-106	180.7	171.6	175.1	168.1		
GEW-107	141.9	142.2	140.0	142.9		
GEW-108	165.7	165.7	161.1	158.5		
GEW-109	101.9	112.2	103.9	106.7		
GEW-110	118.4	129.4	130.7	125.0		
GEW-113	180.0	179.2	179.2	179.2		
GEW-116	150.6	150.3	145.9	146.3		
GEW-117	137.7	149.1	142.9	133.8		
GEW-118	195.7	198.6	200.7	201.7		
GEW-120	113.7	120.5	118.7	119.0		
GEW-121	153.7	153.3	148.0	143.2		
GEW-122	114.5	118.4	111.3	97.1		
GEW-123	105.6	116.3	93.0	82.5		
GEW-124	90.5	94.4	103.0	78.6		
GEW-125	95.3	107.5	103.3	98.2		
GEW-126	96.0	107.5	106.2	103.6		
GEW-127	122.1	117.3	114.5	106.7		
GEW-128	--	--	--	--		Temporarily decommissioned
GEW-129	128.5	128.9	128.6	121.8		
GEW-130	156.5	154.0	153.1	153.3		
GEW-131	135.9	141.9	137.4	140.6		
GEW-132	142.2	141.9	144.9	142.9		
GEW-133	158.3	157.3	152.5	147.7		
GEW-134	104.8	107.2	104.8	90.2		
GEW-135	132.9	126.7	135.2	131.4		
GEW-137	107.5	105.9	105.8	99.6		
GEW-138	--	--	--	--		Temporarily decommissioned

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	June 2020	July 2020	August 2020	September 2020	><30°F	
GEW-139	157.7	160.7	151.7	148.0		
GEW-140	149.9	147.7	114.0	78.8		
GEW-144	97.2	98.7	108.7	98.4		
GEW-145	105.7	104.8	96.3	90.7		
GEW-147	165.2	162.9	161.1	161.2		
GEW-148	162.9	162.1	156.0	154.0		
GEW-149	91.7	102.1	95.3	96.5		
GEW-150	176.4	169.0	168.1	163.3		
GEW-151	100.1	106.4	126.7	118.1		
GEW-152	122.3	110.2	111.5	109.7		
GEW-153	126.1	125.3	118.9	101.9		
GEW-154	--	--	--	--		Temporarily decommissioned
GEW-155	--	--	--	--		Temporarily decommissioned
GEW-156	128.3	131.7	139.8	127.5		
GEW-157	117.1	110.9	110.0	97.7		
GEW-158	126.9	118.1	126.6	121.0		
GEW-159	--	--	--	--		Temporarily decommissioned
GEW-160	96.7	104.0	104.5	98.4		
GEW-161	109.7	123.7	120.2	117.1		
GEW-162	94.3	102.8	96.5	96.1		
GEW-163	138.3	133.3	126.0	126.5		
GEW-164	143.5	142.7	141.2	138.3		
GEW-165	149.2	148.0	150.6	142.2		
GEW-166	171.0	168.5	168.5	159.5		
GEW-167	153.3	151.3	148.4	152.1		
GEW-168	105.7	120.7	116.3	114.4		
GEW-169	128.9	139.0	137.7	128.0		
GEW-170	141.8	145.2	139.6	121.3		
GEW-171	111.5	112.0	103.8	109.5		
GEW-172	158.1	151.7	146.3	141.9		
GEW-173	--	--	--	--		Temporarily decommissioned
GEW-174	128.3	128.8	123.4	116.3		
GEW-175	136.5	136.9	136.5	135.5		
GEW-176	--	--	--	--		Temporarily decommissioned
GEW-177	169.0	168.3	167.8	165.9		
GEW-178	107.1	102.5	93.9	97.9		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	June 2020	July 2020	August 2020	September 2020	><30°F	
GEW-179	103.8	103.8	100.9	100.4		
GEW-180	101.3	102.3	93.1	95.8		
GEW-181	100.7	102.5	97.0	97.0		
GEW-182	--	--	--	--		Temporarily decommissioned
GEW-184	--	--	--	--		Temporarily decommissioned
GEW-185	124.2	121.0	93.7	105.2		
GEW-186	101.8	104.8	109.2	92.9		
GEW-187	116.0	119.4	116.0	117.3		
GEW-188	--	--	--	--		Temporarily decommissioned
GEW-217	127.5	179.2	149.1	156.5		
GEW-218	125.0	125.8	121.5	120.7		
GEW-219	--	--	--	--		Temporarily decommissioned
GEW-220	185.8	183.9	184.5	161.6		
GEW-221	129.2	134.1	127.8	117.3		
GEW-222	106.5	100.1	90.0	98.9		
GEW-223	138.7	139.1	132.6	125.6		
GEW-224	157.3	156.9	156.5	154.9		
GEW-225	155.6	161.6	149.1	157.3		
GEW-226	180.3	178.0	175.8	175.8		
GEW-227	193.6	192.3	187.0	187.0		
GEW-228	198.7	190.4	183.9	191.6		
GEW-229	122.6	106.7	114.0	101.6		
GEW-230	163.3	164.3	158.1	161.6		
GEW-231	--	--	-	--		Temporarily decommissioned
GEW-232	170.6	166.0	165.7	161.6		
GEW-233	139.6	126.9	130.6	111.5		
GEW-234	203.9	200.8	203.0	199.4		
GEW-235	143.9	144.9	140.6	145.4		
GEW-236	203.9	203.9	204.7	204.7		
GEW-237	153.7	152.5	151.0	149.5		
GEW-238	189.6	192.3	191.9	190.9		
GEW-239	201.8	202.3	202.3	202.3		
GEW-240	165.7	200.1	198.6	194.5		
GEW-2S	98.9	104.7	99.7	88.2		
GIW-01	142.5	149.5	145.6	139.3		
GIW-02	87.0	108.2	94.4	81.5		

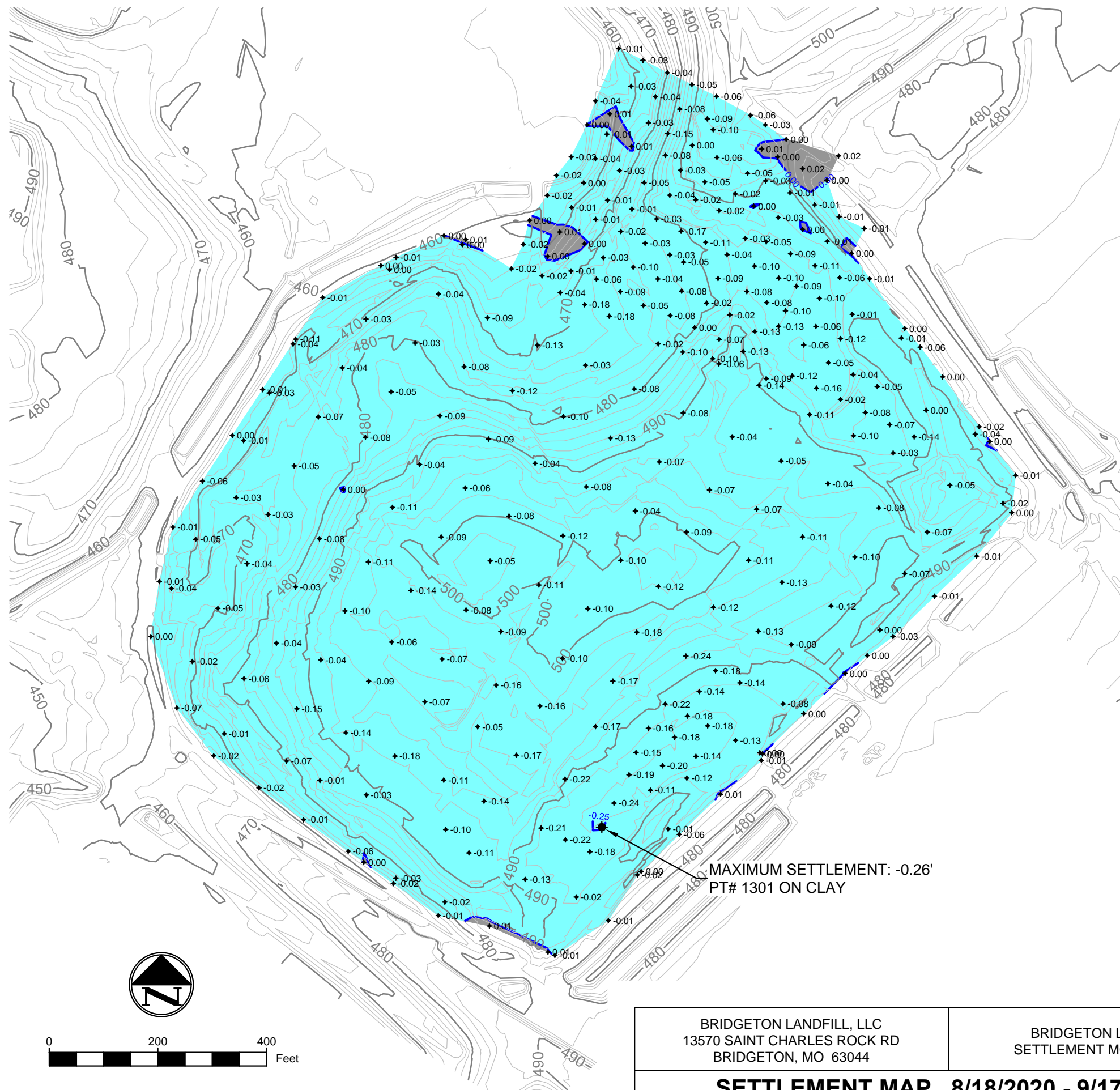
Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	June 2020	July 2020	August 2020	September 2020	><30°F	
GIW-03	88.2	104.8	100.1	80.5		
GIW-04	91.0	102.3	95.6	83.5		
GIW-05	96.5	106.5	103.0	84.4		
GIW-06	89.8	105.4	100.6	84.4		
GIW-07	90.5	103.0	97.2	86.3		
GIW-08	92.9	108.0	101.3	88.9		
GIW-09	94.1	100.9	100.8	91.0		
GIW-10	89.8	102.2	97.7	90.8		
GIW-11	98.1	100.1	96.7	90.5		
GIW-12	97.2	102.1	95.0	87.7		
GIW-13	99.7	101.6	98.9	86.1		
LCS-1D	104.0	101.8	92.5	89.3		
LCS-2D	105.0	109.0	88.2	100.7		
LCS-3D	155.3	166.1	161.1	162.9		
LCS-4B	94.4	99.1	98.9	94.8		
LCS-5A	99.5	97.3	102.1	103.8		
LCS-5B	134.7	139.7	140.0	125.6		
LCS-6B	106.0	108.5	104.5	106.5		
SEW-002	106.6	105.0	107.1	93.4		
SEW-003	95.0	107.5	98.7	94.3		
T-56	80.4	84.0	81.9	77.0		

-- = Indicates no data available.

ATTACHMENT E

SETTLEMENT FRONT MAP



Thickness Map				
Range	Minimum Depth	Maximum Depth	2D Area (Sq. Ft.)	Color
1	-5.00	-4.00	0.00	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	1,515,349.06	Cyan
6	0.00	1.00	17,198.47	Grey

LEGEND

- 12-10-2019 TOPOGRAPHY (2' CONTOUR)
 - 12-10-2019 TOPOGRAPHY (10' CONTOUR)
 - .25 MINOR ELEVATION CHANGE CONTOUR (0.25 FEET)
 - .50 MAJOR ELEVATION CHANGE CONTOUR (0.50 FEET)
 - 0.3 SPOT ELEVATION DIFFERENCE (8-18-2020 to 9-17-2020)
 - 9-2020 *SETTLEMENT FRONT CONTOUR FOR AREA WITH 1.35' PER 30 DAYS FOR CURRENT PERIOD OF DAYS
- *NONE FOR SEPTEMBER 2020

NOTES:

1. EXISTING CONTOURS DEVELOPED FROM SITE AERIAL TOPOGRAPHIC SURVEY BY COOPER AERIAL SURVEYS CO. ON DECEMBER 10, 2019.
2. FOR CLARITY, NOT ALL SITE FEATURES MAY BE SHOWN.
3. ELEVATION DIFFERENCE DETERMINED BY SUBTRACTING SPOT ELEVATIONS SURVEYED ON 8-18-20 FROM SPOT ELEVATIONS SURVEYED ON 9-17-20.
4. SURVEY POINTS WERE PERFORMED USING GPS METHODS.
5. SETTLEMENT RANGE SURFACE WAS GENERATED FROM THE SPOT ELEVATION DIFFERENCES.
6. ELEVATION DIFFERENCES THAT ARE SHOWN AS NEGATIVE INDICATE SPOTS OF SETTLEMENT.
7. ANY POINTS THAT ARE NOT A GROUND-TO-GROUND COMPARISON TO THE PREVIOUS MONTH'S POINTS, OR THAT WERE NOT SURVEYED IN THE SAME LOCATION AS THE PREVIOUS MONTH ARE NOT INCLUDED AND WERE NOT USED IN ANY SURFACE GENERATION.

BRIDGETON LANDFILL, LLC 13570 SAINT CHARLES ROCK RD BRIDGETON, MO 63044	BRIDGETON LANDFILL SETTLEMENT MONITORING	Engineering for a Better World FEEZOR ENGINEERING, INC.								
SETTLEMENT MAP 8/18/2020 - 9/17/2020		DRAWING NO.: <div style="font-size: 2em; font-weight: bold; margin-top: 5px;">001</div>								
PROJECT NUMBER: BT-145 FILE PATH: C:\Users\User\Desktop\Feezor Engineering\Bridgeton\100-149BT-145 (Agreed Order Reporting)\Monthly Reports\2020\09-2020 Report\Internal Draft\Site Data\Settlement\Settlement And Fill 9-17-2020.dwg		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">SEPTEMBER 2020</td> <td style="width: 50%;"></td> </tr> <tr> <td>DESIGNED BY: IN</td> <td></td> </tr> <tr> <td>APPROVED BY: DRF</td> <td></td> </tr> <tr> <td>REVISION</td> <td>DATE</td> </tr> </table>	SEPTEMBER 2020		DESIGNED BY: IN		APPROVED BY: DRF		REVISION	DATE
SEPTEMBER 2020										
DESIGNED BY: IN										
APPROVED BY: DRF										
REVISION	DATE									

ATTACHMENT F

LIQUID CHARACTERIZATION DATA AND DISCHARGE LOG

Bridgeton Landfill - Leachate PreTreatment Plant

September 2020

Liquid Characterization Data

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

Hauled Disposal to MSD – Bissell Point

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

Direct Discharge to MSD

Date	Waste	Source	Quantity (gal)
9/1/2020			144,544
9/2/2020			169,570
9/3/2020			147,840
9/4/2020			170,546
9/5/2020			148,272
9/6/2020			134,752
9/7/2020			169,010
9/8/2020			149,656
9/9/2020			131,378
9/10/2020			138,326
9/11/2020			134,720
9/12/2020			131,578
9/13/2020			160,696
9/14/2020			118,370
9/15/2020	LPTP Permeate	Through Tank AST 97k (MSD Sampling Point 013)	171,262
9/16/2020			152,798
9/17/2020			153,748
9/18/2020			152,162
9/19/2020			149,826
9/20/2020			142,520
9/21/2020			145,552
9/22/2020			156,374
9/23/2020			131,118
9/24/2020			121,214
9/25/2020			152,086
9/26/2020			106,278
9/27/2020			126,388
9/28/2020			120,032
9/29/2020			114,012
9/30/2020			128,520
Total			4,273,148

ATTACHMENT G

VOLUMES OF LEACHATE PROCESSED

Bridgeton Landfill - Leachate Volumes
September 2020

Total volume of leachate from the individual leachate collection sumps during the month. Additional non-LCS leachate was collected and the total volume was 2,417,986 gallons. Therefore, the total leachate collected was 3,183,106 gallons.

ID	Volume
LCS -1D	0
LCS-2D	0
LCS-3D	127,712
LCS-4B	0
LCS-5A	619,744
LCS-5B	17,664
LCS-6B	0