

Bridgeton Landfill, LLC

Monthly Data Submittals

June 2020

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

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Commentary on Data

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Provided Separately:

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

July 20, 2020

Commentary on Data

July 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 1,132 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 June 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 10 GEW wells that are experiencing low or restricted flows, one (1) leachate collection sump (LCS), and one (1) GIW well that exhibit low gas flow due to the cooling loops that are installed in these wells. By the end of the month, 2 of the GEW wells, and one LCS well still exhibited oxygen levels at or greater than 5% at the wellhead. All of these wells are low-flow/vacuum sensitive wells with valves that are only slightly open. On-going tuning, maintenance, and pump operation are being performed to manage the oxygen content.
- Attachment E-2 presents gas temperatures as measured at the wellheads. Five (5) vertical wells (excluding GIW wells) increased by 30°F or more and two (2) decreased by 30°F or more during this reporting period. All wells that exhibited changes greater than 30°F are within the historical gas temperature norms for these wells or within the range of temperatures of nearby vertical wells.
- All gas wells in the North Quarry exhibited a maximum wellhead temperature less than 145°F during this reporting period, with the exception of GEW-054 (146.3°F). Carbon monoxide (CO) results were non-detect (ND) for North Quarry wells, with the exception of GEW-053 (61 ppm), consistent with past events.
- Site personnel are performing a comprehensive wellfield investigation to optimize the landfill gas collection and control system (GCCS). Wells that have previously been decommissioned due to excessive moisture and/or dangerous conditions have been reviewed and monitored to determine if the wells have obstructions that would prohibit

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

Settlement

- The South Quarry exhibited monthly maximum settlement up to 0.24 feet over 33 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
June 2020

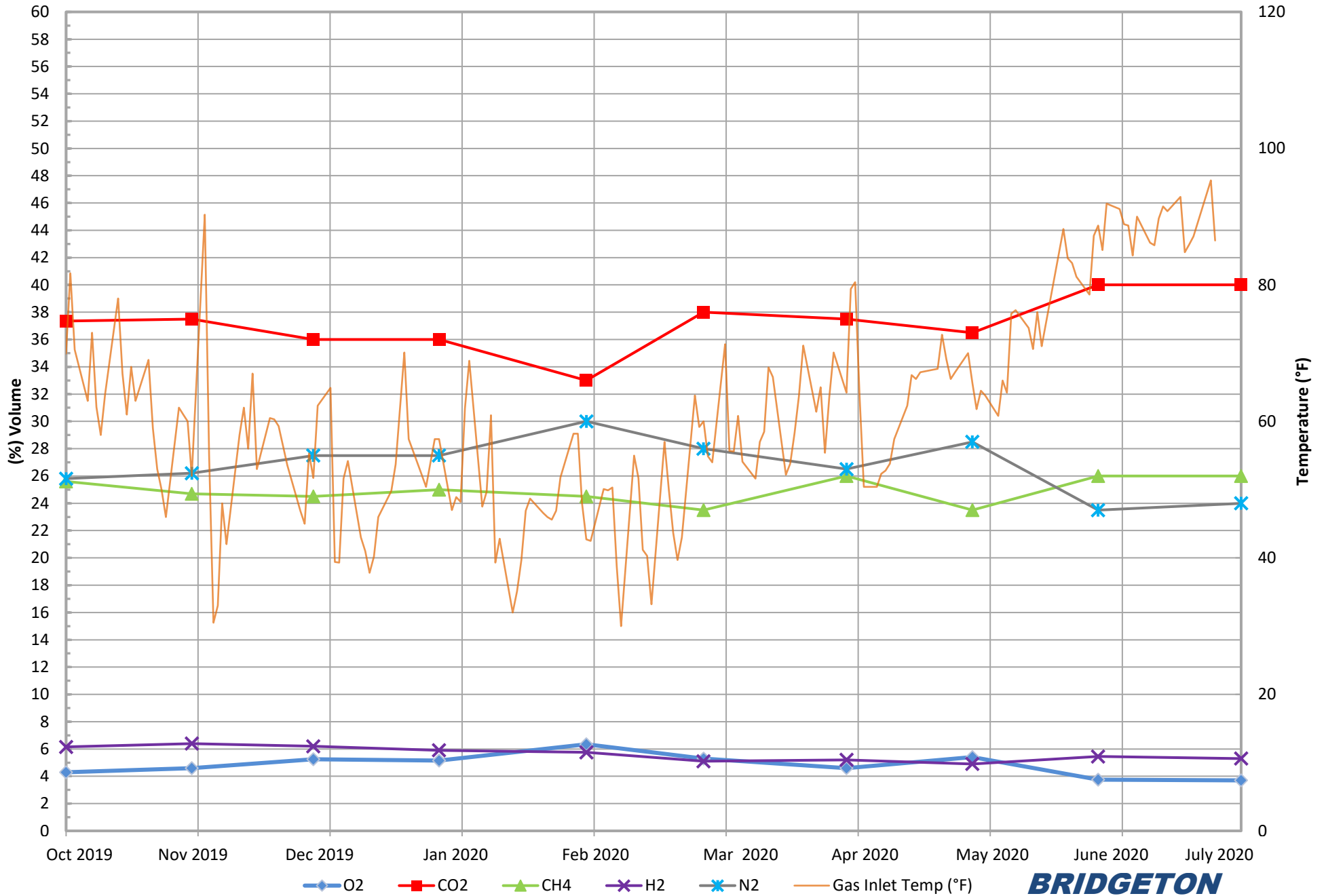
Date	Average Device Flow* (scfm)			Total Avg. Flow** (scfm)
	Utility Flare (FL-100)	Utility Flare (FL-120)	Utility Flare (FL-140)	
6/1/2020	1,126	0	0	1,126
6/2/2020	1,144	0	0	1,144
6/3/2020	1,149	0	0	1,149
6/4/2020	782	326	0	1,108
6/5/2020	1,133	0	0	1,133
6/6/2020	1,152	0	0	1,152
6/7/2020	1,155	0	0	1,155
6/8/2020	1,147	0	0	1,147
6/9/2020	1,131	0	0	1,131
6/10/2020	1,099	0	0	1,099
6/11/2020	1,118	0	0	1,118
6/12/2020	1,152	0	0	1,152
6/13/2020	1,153	0	0	1,153
6/14/2020	1,136	0	0	1,136
6/15/2020	1,138	0	0	1,138
6/16/2020	1,139	0	0	1,139
6/17/2020	1,155	0	0	1,155
6/18/2020	978	151	0	1,129
6/19/2020	1,080	68	0	1,147
6/20/2020	1,126	0	0	1,126
6/21/2020	1,125	0	0	1,125
6/22/2020	987	138	0	1,126
6/23/2020	1,106	0	0	1,106
6/24/2020	1,118	0	0	1,118
6/25/2020	1,145	0	0	1,145
6/26/2020	1,149	0	0	1,149
6/27/2020	1,123	0	0	1,123
6/28/2020	1,134	0	0	1,134
6/29/2020	1,036	91	0	1,127
6/30/2020	707	376	0	1,082
AVERAGE	1,094	38	0	1,132

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

ATTACHMENT A-2

FLOW DATA GRAPHS

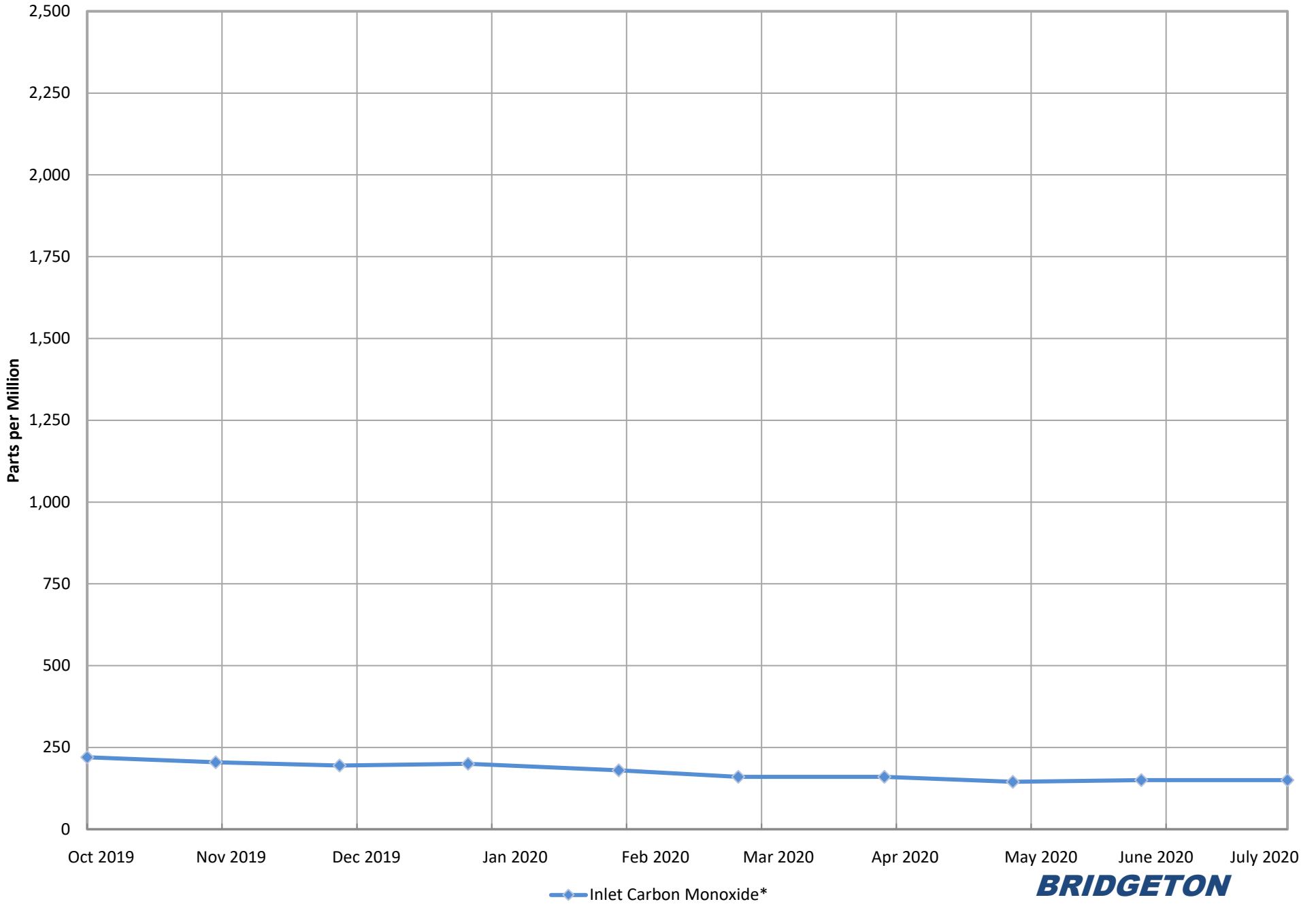
Combined Inlet Gas and Temperature*



**BRIDGETON
LANDFILL**

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

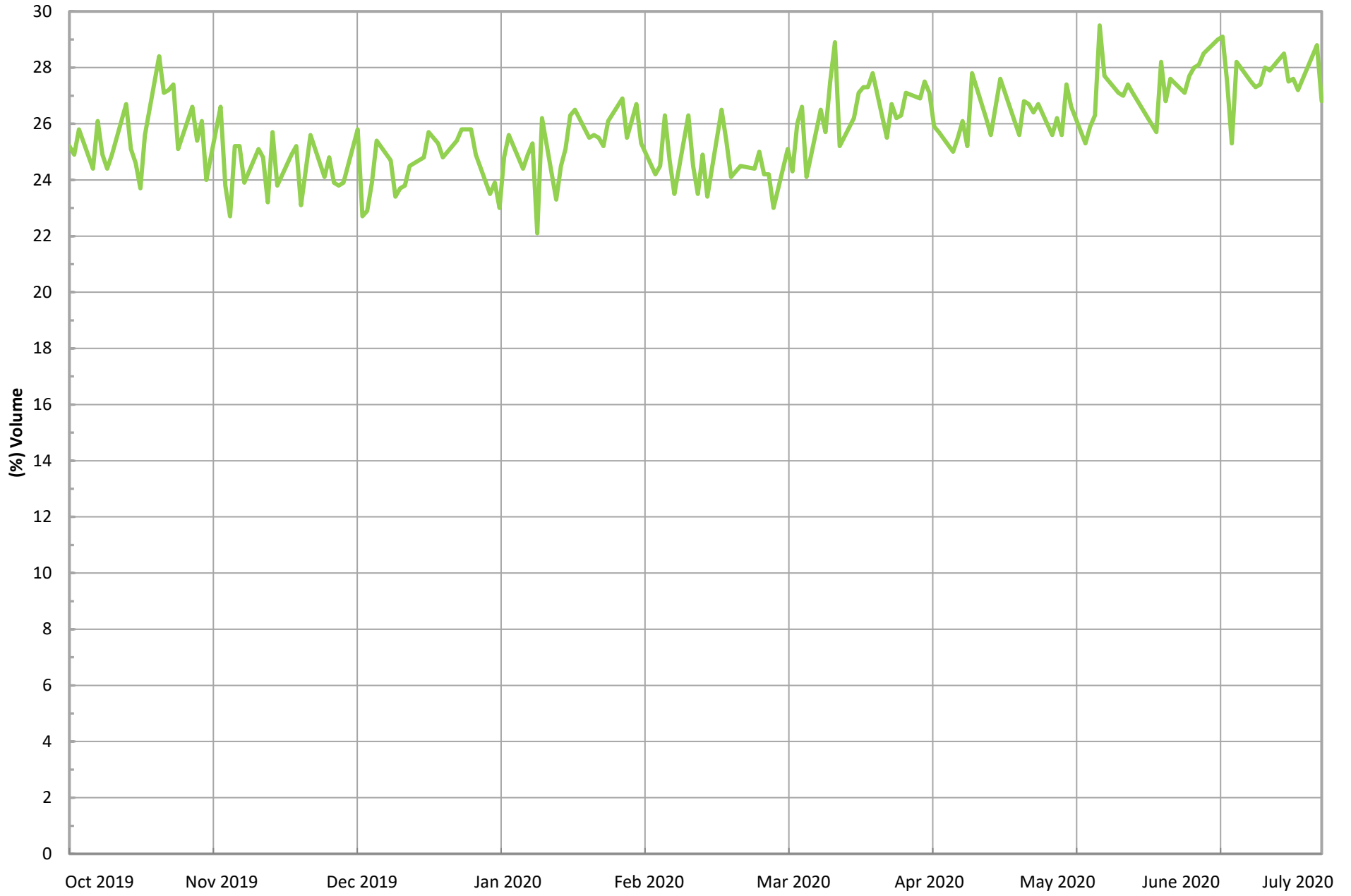
Combined Inlet Carbon Monoxide*



*Data collected from Laboratory Reports.

**BRIDGETON
LANDFILL**

Combined Inlet Methane (Field Data)*

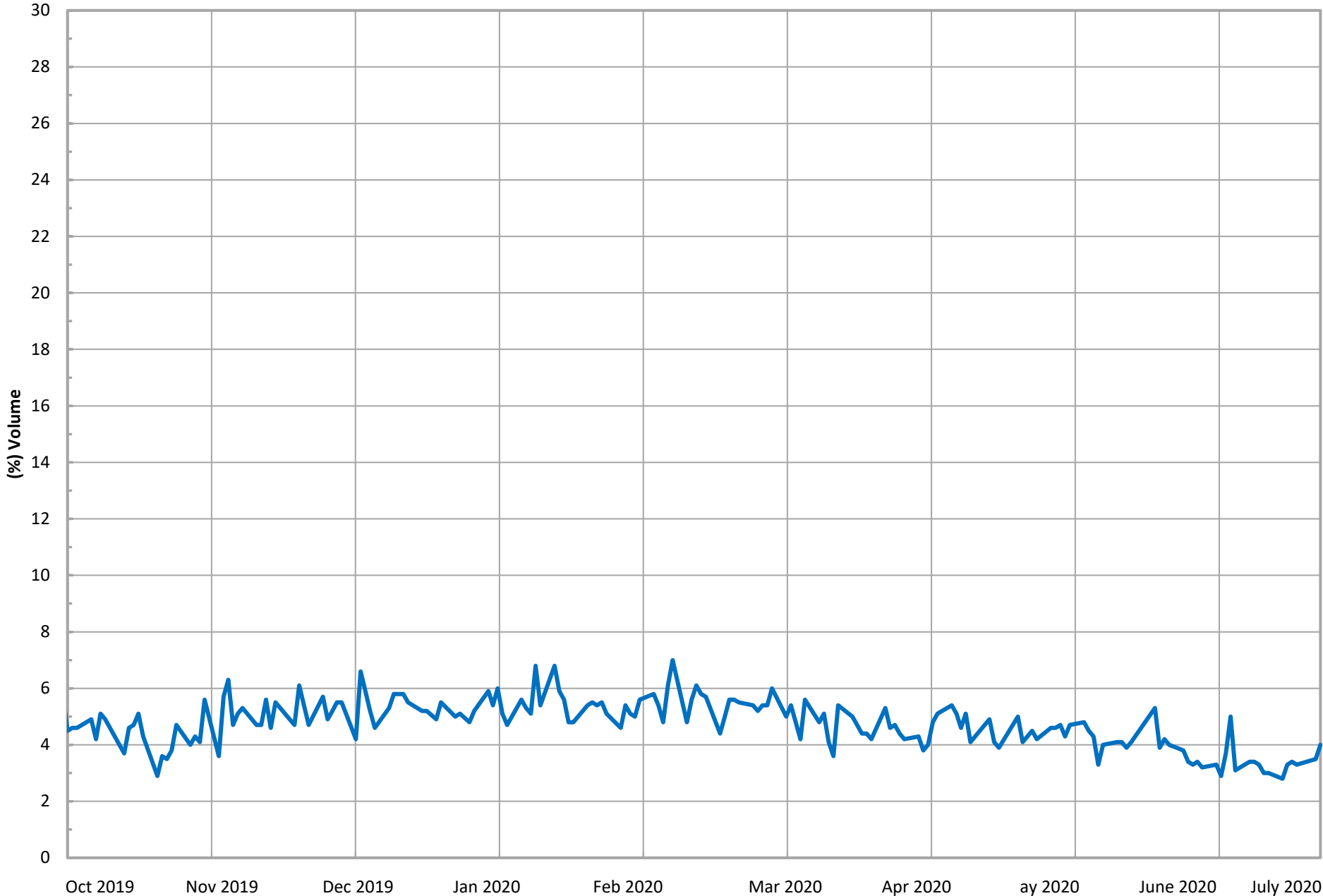


*Gas data collected from field monitoring data.

— Combined Inlet Methane (Field Data)*

**BRIDGETON
LANDFILL**

Combined Inlet Oxygen (Field Data)*

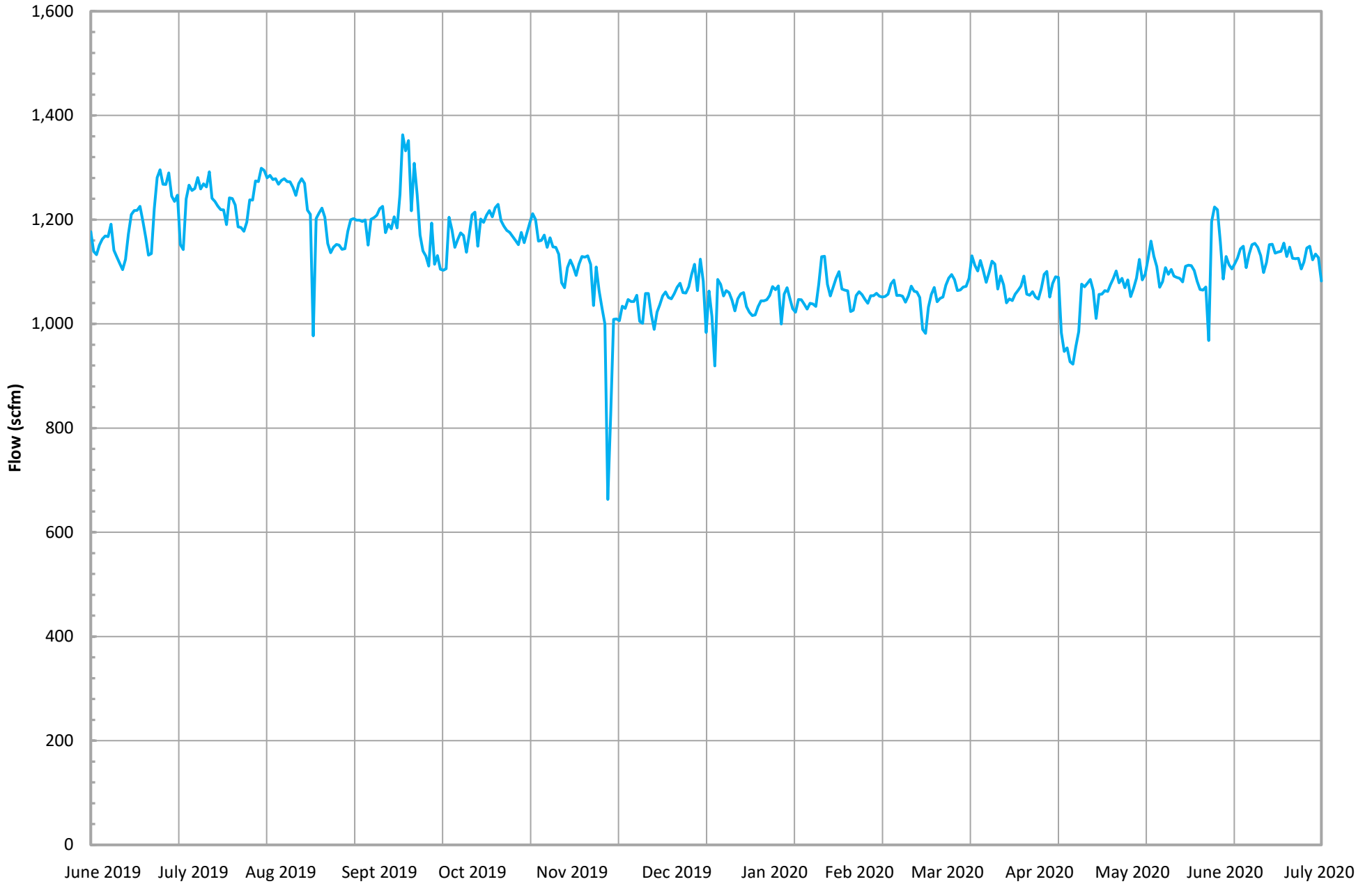


*Gas data collected from field monitoring data

— Combined Inlet Oxygen (Field Data)*

**BRIDGETON
LANDFILL**

Total Combined Flow (scfm)*



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

— Total Combined Flow (scfm)*

**BRIDGETON
LANDFILL**

ATTACHMENT B

WELL CONDITON/STATUS REPORT

June 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	

June 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	

June 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	

June 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



June 22, 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: L061202-01/49

Enclosed are results for sample(s) received 6/12/20 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 6/19/20.

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

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

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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TPE	MATRIX	PRESERVATION	D1946 + CO, H2						INITIALS AND VAC.
	Cannister ID	Sample Start	Sample End													
L061202-01	A7809	-20.5	-5	GEW 50	6/8/2020	9:52	C	LFG	NA	X						5.5
-02	A7818	-20.3	-5	GEW 52	6/8/2020	10:02	C	LFG	NA	X						5.5
-03	A8067	-20.8	-5	GEW 7	6/8/2020	10:16	C	LFG	NA	X						5.5
-04	4648	-20.6	-5	GEW 8	6/8/2020	10:28	C	LFG	NA	X						5.5
-05	A7795	-20.7	-5	GEW 9	6/8/2020	10:38	C	LFG	NA	X						5.5
-06	3132	-20.1	-5	GEW 51	6/8/2020	13:51	C	LFG	NA	X						6
-07	A7800	-20.5	-5	GEW 53	6/8/2020	14:04	C	LFG	NA	X						6
-08	A7804	-20.3	-5	GEW 54	6/8/2020	15:10	C	LFG	NA	X						6
-09	A8087	-20.1	-5	GEW 55	6/8/2020	15:24	C	LFG	NA	X						6
-10	A7797	-20.6	-5	GEW 40	6/8/2020	15:36	C	LFG	NA	X						6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer	COMPANY: Republic Services
SAMPLED BY: Anthony Kimutis	COMPANY: Republic Services
RELINQUISHED BY: <u>Anthony Kimutis</u>	DATE/TIME: <u>6/8/2020</u>
RELINQUISHED BY: <u>FedEx</u>	DATE/TIME: <u>6/12/20</u>
RECEIVED BY: <u>Duffy</u>	DATE/TIME: <u>6/12/20 1134</u>
METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other _____	

COMMENTS

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

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



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

CHAIN OF CUSTODY RECORD

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

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

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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST						
	Cannister ID	Sample Start	Sample End														
<u>L061202-11</u>	A8099	-19.8	-5	GEW 41R	6/8/2020	15:48	C	LFG	NA	X							
<u>-12</u>	5916	-19.6	-5	GEW 42R	6/8/2020	15:58	C	LFG	NA	X							5.5
<u>-13</u>	4644	-20.2	-5	GEW 43R	6/9/2020	8:18	C	LFG	NA	X							5.5
<u>-14</u>	3826	-20.2	-5	GEW 44	6/9/2020	8:32	C	LFG	NA	X							6
<u>-15</u>	5839	-18.8	-5	GEW 49	6/9/2020	8:46	C	LFG	NA	X							5.5
<u>-16</u>	A7798	-20.1	-5	GEW 45R	6/10/2020	9:04	C	LFG	NA	X							5
<u>-17</u>	3440	-20.3	-5	GEW 46R	6/10/2020	9:14	C	LFG	NA	X							5
<u>-18</u>	O1399	-20.1	-5	GEW 2S	6/10/2020	9:58	C	LFG	NA	X							5
<u>-19</u>	O1398	-20.1	-5	GEW 2	6/10/2020	10:11	C	LFG	NA	X							5
<u>-20</u>	O1419	-19.8	-5	GEW 3	6/10/2020	10:20	C	LFG	NA	X							5


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

SAMPLED BY: Anthony Kimutis **COMPANY:** Republic Services **DATE/TIME:** 6/8/2020-6/10/2020

RELINQUISHED BY: <u>Ante</u> DATE/TIME: 6/11/2020	RECEIVED BY: _____ DATE/TIME: _____
RELINQUISHED BY: <u>FedEx</u> DATE/TIME: 6/12/20	RECEIVED BY: <u>[Signature]</u> DATE/TIME: 6/12/20 1134
RELINQUISHED BY: _____ DATE/TIME: _____	RECEIVED BY: _____ DATE/TIME: _____

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

COMMENTS

 <p style="font-size: small;">18501 E. Gale Ave., Suite 130 City of Industry, CA 91748 Ph: 626-964-4032 Fx: 626-964-5832</p>	CHAIN OF CUSTODY RECORD		
	TURNAROUND TIME	DELIVERABLES	PAGE: 3 OF 5
Standard <input type="checkbox"/> 48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C	
Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>		
24 hours <input type="checkbox"/> 96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>		
Other: 5 Day	Level 4 <input type="checkbox"/>		

Project No.: _____

Project Name: Bridgeton Landfill

Report To: Mike Lambrich

Company: Republic Services

Street: 13570 St. Charles Rock Rd.

City/State/Zip: Bridgeton, MO 63044

Phone & Fax: 314-683-3921

e-mail: MLambrich@republicservices.com

BILLING	ANALYSIS REQUEST																																								
P.O. No.: <u>PO7112802</u>	<table border="1" style="width:100%; height: 100%; border-collapse: collapse;"> <tr><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td><td style="width:10%;"></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																																								
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LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2											
	Cannister ID	Sample Start	Sample End																		
<u>LO G1202 - 21</u>	5324	-20.1	-5	GEW 4	6/10/2020	10:30	C	LFG	NA	X											<u>INTAK LAB/MC.</u>
<u>-22</u>	A7759	-20.4	-5	GEW 47R	6/10/2020	10:49	C	LFG	NA	X											<u>5</u>
<u>-23</u>	5830	-20.2	-5	GEW 5	6/10/2020	11:23	C	LFG	NA	X											<u>5</u>
<u>-24</u>	5271	-20.3	-5	GEW 48	6/10/2020	11:34	C	LFG	NA	X											<u>5</u>
<u>-25</u>	5904	-20.1	-5	GEW 6	6/10/2020	11:44	C	LFG	NA	X											<u>5</u>
<u>-26</u>	5268	-19.9	-5	GEW 39	6/10/2020	14:15	C	LFG	NA	X											<u>5</u>
<u>-27</u>	5836	-20.2	-5	GEW 109	6/10/2020	14:24	C	LFG	NA	X											<u>5</u>
<u>-28</u>	A7805	-20	-5	GEW 187	6/10/2020	14:36	C	LFG	NA	X											<u>5</u>
<u>-29</u>	A8055	-19.9	-5	GEW 108	6/10/2020	14:46	C	LFG	NA	X											<u>5</u>
<u>-30</u>	A8078	-20.3	-5	GEW 91	6/10/2020	14:57	C	LFG	NA	X											<u>5</u>

AUTHORIZATION TO PERFORM WORK: <u>Dave Penoyer</u> COMPANY: <u>Republic Services</u>	COMMENTS
SAMPLED BY: <u>Anthony Kimutis</u> COMPANY: <u>Republic Services</u> DATE/TIME: <u>6/10/2020</u>	
RELINQUISHED BY: <u>Anthony Kimutis</u> DATE/TIME: <u>6/11/2020</u> RECEIVED BY: _____ DATE/TIME: _____	
RELINQUISHED BY: <u>FedEx</u> DATE/TIME: <u>6/12/20</u> RECEIVED BY: <u>Duffy</u> DATE/TIME: <u>6/12/20 11:34</u>	
RELINQUISHED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____	
METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other _____	



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

CHAIN OF CUSTODY RECORD


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

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

BILLING	ANALYSIS REQUEST					
P.O. No.: PO7112802	D1946 + CO, H2					INITIALIZED VAC.
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													
LOG 1202-31	A7793	-18.6	-5	GIW 1	6/10/2020	9:19	C	LFG	NA	X						5
-32	A8072	-20.1	-5	GIW 2	6/10/2020	9:29	C	LFG	NA	X						5
-33	5816	-20	-5	GIW 3	6/10/2020	9:38	C	LFG	NA	X						5
-34	3131	-20	-5	GIW 4	6/10/2020	9:47	C	LFG	NA	X						5
-35	3439	-20.2	-5	GIW 5	6/10/2020	9:56	C	LFG	NA	X						5
-36	3130	-19.8	-5	GIW 10	6/10/2020	10:20	C	LFG	NA	X						5
-37	A8070	-20.2	-5	GIW 11	6/10/2020	10:29	C	LFG	NA	X						5
-38	5310	-19.9	-5	GIW 12	6/10/2020	10:38	C	LFG	NA	X						5
-39	A7767	-20.3	-5	GIW 13	6/10/2020	10:47	C	LFG	NA	X						5
-40	A8080	-19.9	-5	GIW 6	6/10/2020	11:10	C	LFG	NA	X						5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer	COMPANY: Republic Services	COMMENTS
SAMPLED BY: Andy Guthrie	COMPANY: Hunt Environmental Services	
RELINQUISHED BY: [Signature]	DATE/TIME: 6/10/2020	
RELINQUISHED BY: [Signature]	DATE/TIME: 6/11/2020	
RELINQUISHED BY: [Signature]	DATE/TIME: 6/12/20	
METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other _____		

	18501 E. Gale Ave., Suite 130 City of Industry, CA 91748 Ph: 626-964-4032 Fx: 626-964-5832			CHAIN OF CUSTODY RECORD													
	TURNAROUND TIME Standard <input type="checkbox"/> 48 hours <input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/> 24 hours <input type="checkbox"/> 96 hours <input type="checkbox"/> Other: <u>5 Day</u>						DELIVERABLES EDD <input checked="" type="checkbox"/> EDF <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/>			PAGE: 5 OF 5 Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C							
Project No.: _____ Project Name: Bridgeton Landfill Report To: Mike Lambrich Company: Republic Services Street: 13570 St. Charles Rock Rd. City/State/Zip: Bridgeton, MO 63044 Phone& Fax: 314-683-3921 e-mail: Mlambrich@republicservices.com						BILLING P.O. No.: PO7112802 Bill to: Republic Services Attn: Mike Lambrich 13570 St. Charles Rock Rd. Bridgeton, MO 63044						ANALYSIS REQUEST D1946 + CO, H2 INITIAL LAB USE					
LAB USE ONLY		Cannister Pressure ("hg)		SAMPLE IDENTIFICATION		SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2					INITIAL LAB USE	
		Cannister ID	Sample Start	Sample End													
LOG1202-41		6131	-20.4	-5	GIW 7	6/10/2020	11:22	C	LFG	NA	X					5	
-42		A7747	-20.3	-5	GIW 8	6/10/2020	11:31	C	LFG	NA	X					5	
-43		A8090	-20.1	-5	GIW 9	6/10/2020	11:41	C	LFG	NA	X					5	
-44		A7781	-19.2	-5	GEW 56R	6/10/2020	13:41	C	LFG	NA	X					5	
-45		A7780	-20.3	-5	GEW 10	6/10/2020	13:56	C	LFG	NA	X					5	
-46		5936	-19.9	-5	GEW 110	6/10/2020	14:06	C	LFG	NA	X					5	
-47		A7772	-19.9	-5	GEW 162	6/10/2020	14:25	C	LFG	NA	X					5	
-48		A8079	-20.2	-5	GEW 161	6/10/2020	14:36	C	LFG	NA	X					5	
-49		A8064	-19.8	-5	GEW 160	6/10/2020	14:48	C	LFG	NA	X					5	

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services			COMMENTS		
SAMPLED BY: Andy Guthrie COMPANY: Hunt Environmental Services DATE/TIME 6/10/2020					
RELINQUISHED BY: <i>Andy Guthrie</i> DATE/TIME 6/11/2020	RECEIVED BY: DATE/TIME				
RELINQUISHED BY: <i>FED ex</i> DATE/TIME 6/11/20	RECEIVED BY: <i>[Signature]</i> DATE/TIME 6/11/20 1134				
RELINQUISHED BY: DATE/TIME			RECEIVED BY: DATE/TIME		
METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other _____					

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 06/12/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L061202-01	L061202-02	L061202-03	L061202-04				
Client Sample I.D.:	GEW 50	GEW 52	GEW 7	GEW 8				
Date/Time Sampled:	6/8/20 9:52	6/8/20 10:02	6/8/20 10:16	6/8/20 10:28				
Date/Time Analyzed:	6/15/20 11:24	6/15/20 11:38	6/15/20 11:53	6/15/20 12:07				
QC Batch No.:	200615GC8A1	200615GC8A1	200615GC8A1	200615GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.3	3.3	3.3	3.3				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	ND d	0.033	ND d	0.033	ND d	0.033	1.0 d	0.033
Carbon Dioxide	38	0.033	38	0.033	41	0.033	43	0.033
Oxygen/Argon	1.7	1.6	1.7	1.6	ND	1.6	ND	1.6
Nitrogen	9.4	3.3	13	3.3	6.1	3.3	5.3	3.3
Methane	51	0.0033	47	0.0033	52	0.0033	49	0.0033
Carbon Monoxide	ND	0.0033	ND	0.0033	ND	0.0033	ND	0.0033

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200616GC8A1

Reviewed/Approved By: _____


Mark Johnson
Operations Manager

Date _____

6/19/20

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: 06/12/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

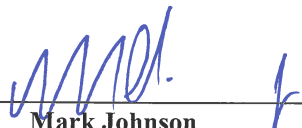
Lab No.:	L061202-05	L061202-06	L061202-07	L061202-08				
Client Sample I.D.:	GEW 9	GEW 51	GEW 53	GEW 54				
Date/Time Sampled:	6/8/20 10:38	6/8/20 13:51	6/8/20 14:04	6/8/20 15:10				
Date/Time Analyzed:	6/15/20 12:22	6/15/20 12:37	6/15/20 12:51	6/15/20 13:06				
QC Batch No.:	200615GC8A1	200615GC8A1	200615GC8A1	200615GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.3	3.4	3.4	3.4				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	0.53 d	0.033	0.92 d	0.034	3.2 d	0.034	1.6 d	0.034
Carbon Dioxide	42	0.033	42	0.034	44	0.034	44	0.034
Oxygen/Argon	ND	1.6	ND	1.7	ND	1.7	ND	1.7
Nitrogen	7.6	3.3	4.6	3.4	4.3	3.4	3.4	3.4
Methane	48	0.0033	51	0.0034	48	0.0034	50	0.0034
Carbon Monoxide	ND	0.0033	ND	0.0034	0.0061	0.0034	ND	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200616GC8A1

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 6/19/20

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: 06/12/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946


Lab No.:	L061202-09	L061202-10	L061202-11	L061202-12				
Client Sample I.D.:	GEW 55	GEW 40	GEW 41R	GEW 42R				
Date/Time Sampled:	6/8/20 15:24	6/8/20 15:36	6/8/20 15:48	6/8/20 15:58				
Date/Time Analyzed:	6/15/20 13:20	6/15/20 13:35	6/15/20 14:11	6/15/20 14:41				
QC Batch No.:	200615GC8A1	200615GC8A1	200615GC8A1	200615GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.4	3.4	3.3				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	1.1 d	0.034	ND d	0.034	ND d	0.034	ND d	0.033
Carbon Dioxide	42	0.034	34	0.034	35	0.034	38	0.033
Oxygen/Argon	ND	1.7	ND	1.7	1.7	1.7	1.9	1.6
Nitrogen	6.7	3.4	14	3.4	12	3.4	9.4	3.3
Methane	49	0.0034	51	0.0034	50	0.0034	51	0.0033
Carbon Monoxide	ND	0.0034	ND	0.0034	ND	0.0034	ND	0.0033

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200616GC8A1

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 6/15/21

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 06/12/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L061202-13	L061202-14	L061202-15	L061202-16				
Client Sample I.D.:	GEW 43R	GEW 44	GEW 49	GEW 45R				
Date/Time Sampled:	6/9/20 8:18	6/9/20 8:32	6/9/20 8:46	6/10/20 9:04				
Date/Time Analyzed:	6/15/20 14:55	6/15/20 15:10	6/15/20 15:24	6/15/20 15:39				
QC Batch No.:	200615GC8A1	200615GC8A1	200615GC8A1	200615GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.3	3.4	3.3	3.2				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	0.11 d	0.033	ND d	0.034	ND d	0.033	ND d	0.032
Carbon Dioxide	42	0.033	38	0.034	38	0.033	38	0.032
Oxygen/Argon	ND	1.6	ND	1.7	3.1	1.6	ND	1.6
Nitrogen	5.1	3.3	9.2	3.4	12	3.3	9.9	3.2
Methane	52	0.0033	52	0.0034	47	0.0033	50	0.0032
Carbon Monoxide	ND	0.0033	ND	0.0034	ND	0.0033	ND	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200616GC8A1

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 6/19/21

The cover letter is an integral part of this analytical report



Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 06/12/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L061202-17	L061202-18	L061202-19	L061202-20				
Client Sample I.D.:	GEW 46R	GEW 2S	GEW 2	GEW 3				
Date/Time Sampled:	6/10/20 9:14	6/10/20 9:58	6/10/20 10:11	6/10/20 10:20				
Date/Time Analyzed:	6/15/20 17:50	6/15/20 18:05	6/15/20 18:19	6/15/20 18:34				
QC Batch No.:	200615GC8A2	200615GC8A2	200615GC8A2	200615GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	ND d	0.032	ND d	0.032	ND d	0.032	ND d	0.032
Carbon Dioxide	36	0.032	37	0.032	34	0.032	42	0.032
Oxygen/Argon	ND	1.6	ND	1.6	4.0	1.6	ND	1.6
Nitrogen	19	3.2	3.5	3.2	17	3.2	7.5	3.2
Methane	44	0.0032	59	0.0032	44	0.0032	50	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032	ND	0.0032	ND	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200616GC8A1

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 6/15/20

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: 06/12/20
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946


Lab No.:	L061202-21	L061202-22	L061202-23	L061202-24				
Client Sample I.D.:	GEW 4	GEW 47R	GEW 5	GEW 48				
Date/Time Sampled:	6/10/20 10:30	6/10/20 10:49	6/10/20 11:23	6/10/20 11:34				
Date/Time Analyzed:	6/15/20 18:49	6/15/20 19:03	6/15/20 19:18	6/15/20 19:32				
QC Batch No.:	200615GC8A2	200615GC8A2	200615GC8A2	200615GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	ND d	0.032	ND d	0.032	ND d	0.032	ND d	0.032
Carbon Dioxide	41	0.032	39	0.032	36	0.032	40	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	9.3	3.2	14	3.2	19	3.2	7.7	3.2
Methane	49	0.0032	46	0.0032	44	0.0032	51	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032	ND	0.0032	ND	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200616GC8A2

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date: 6/19/20

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: 06/12/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L061202-25	L061202-26	L061202-27	L061202-28				
Client Sample I.D.:	GEW 6	GEW 39	GEW 109	GEW 187				
Date/Time Sampled:	6/10/20 11:44	6/10/20 14:15	6/10/20 14:24	6/10/20 14:36				
Date/Time Analyzed:	6/15/20 19:47	6/15/20 20:02	6/15/20 20:16	6/15/20 20:31				
QC Batch No.:	200615GC8A2	200615GC8A2	200615GC8A2	200615GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	ND d	0.032	ND d	0.032	0.33 d	0.032	2.1 d	0.032
Carbon Dioxide	39	0.032	30	0.032	43	0.032	51	0.032
Oxygen/Argon	ND	1.6	2.7	1.6	1.7	1.6	ND	1.6
Nitrogen	7.4	3.2	45	3.2	13	3.2	4.2	3.2
Methane	53	0.0032	21	0.0032	42	0.0032	41	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032	ND	0.0032	0.0066	0.0032

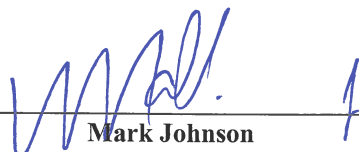
Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200616GC8A2

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 6/19/20

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: 06/12/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L061202-29	L061202-30	L061202-31	L061202-32
Client Sample I.D.:	GEW 108	GEW 91	GIW 1	GIW 2
Date/Time Sampled:	6/10/20 14:46	6/10/20 14:57	6/10/20 9:19	6/10/20 9:29
Date/Time Analyzed:	6/15/20 20:45	6/15/20 21:00	6/15/20 21:14	6/15/20 21:29
QC Batch No.:	200615GC8A2	200615GC8A2	200615GC8A2	200615GC8A2
Analyst Initials:	CM	CM	CM	CM
Dilution Factor:	3.2	3.2	3.2	3.2

ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	16	3.2	34	3.2	7.8	3.2	10	3.2
Carbon Dioxide	46	0.032	51	0.032	51	0.032	54	0.032
Oxygen/Argon	ND	1.6	2.3	1.6	2.8	1.6	ND	1.6
Nitrogen	4.6	3.2	8.0	3.2	11	3.2	21	3.2
Methane	32	0.0032	2.2	0.0032	27	0.0032	14	0.0032
Carbon Monoxide	0.026	0.0032	0.034	0.0032	0.025	0.0032	0.047	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


Mark Johnson
 Operations Manager

Date _____

6/19/20

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: 06/12/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946


Lab No.:	L061202-33	L061202-34	L061202-35	L061202-36				
Client Sample I.D.:	GIW 3	GIW 4	GIW 5	GIW 10				
Date/Time Sampled:	6/10/20 9:38	6/10/20 9:47	6/10/20 9:56	6/10/20 10:20				
Date/Time Analyzed:	6/15/20 21:44	6/15/20 21:58	6/15/20 22:13	6/15/20 22:27				
QC Batch No.:	200615GC8A2	200615GC8A2	200615GC8A2	200615GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	9.6	3.2	19	3.2	0.82 d	0.032	4.6 d	0.032
Carbon Dioxide	44	0.032	48	0.032	14	0.032	34	0.032
Oxygen/Argon	ND	1.6	ND	1.6	17	1.6	ND	1.6
Nitrogen	21	3.2	9.0	3.2	61	3.2	35	3.2
Methane	24	0.0032	23	0.0032	8.0	0.0032	25	0.0032
Carbon Monoxide	0.035	0.0032	0.057	0.0032	0.0039	0.0032	0.0087	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200616GC8A2

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 6/19/20

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: 06/12/20
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	L061202-37	L061202-38	L061202-39	L061202-40				
Client Sample I.D.:	GIW 11	GIW 12	GIW 13	GIW 6				
Date/Time Sampled:	6/10/20 10:29	6/10/20 10:38	6/10/20 10:47	6/10/20 11:10				
Date/Time Analyzed:	6/16/20 8:30	6/16/20 8:51	6/16/20 9:05	6/16/20 9:20				
QC Batch No.:	200615GC8A3	200615GC8A3	200615GC8A3	200615GC8A3				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	2.1 d	0.032	2.1 d	0.032	3.1 d	0.032	3.1 d	0.032
Carbon Dioxide	36	0.032	39	0.032	45	0.032	45	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	35	3.2	25	3.2	3.9	3.2	13	3.2
Methane	26	0.0032	33	0.0032	47	0.0032	38	0.0032
Carbon Monoxide	0.0046	0.0032	0.0072	0.0032	0.0051	0.0032	0.0033	0.0032


Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200616GC8A2

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 6/19/21

The cover letter is an integral part of this analytical report



Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 06/12/20
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	L061202-41	L061202-42	L061202-43	L061202-44
Client Sample I.D.:	GIW 7	GIW 8	GIW 9	GEW 56R
Date/Time Sampled:	6/10/20 11:22	6/10/20 11:31	6/10/20 11:41	6/10/20 13:41
Date/Time Analyzed:	6/16/20 9:35	6/16/20 9:49	6/16/20 10:04	6/16/20 10:19
QC Batch No.:	200615GC8A3	200615GC8A3	200615GC8A3	200615GC8A3
Analyst Initials:	CM	CM	CM	CM
Dilution Factor:	3.2	3.2	3.2	3.2


ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	ND d	0.032	ND d	0.032	9.3	3.2	2.5 d	0.032
Carbon Dioxide	45	0.032	46	0.032	41	0.032	42	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	2.4	1.6
Nitrogen	3.2	3.2	7.7	3.2	22	3.2	12	3.2
Methane	50	0.0032	46	0.0032	26	0.0032	41	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032	0.011	0.0032	0.0050	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200616GC8A2

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date: 6/19/20

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: 06/12/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	L061202-45	L061202-46	L061202-47	L061202-48				
Client Sample I.D.:	GEW 10	GEW 110	GEW 162	GEW 161				
Date/Time Sampled:	6/10/20 13:56	6/10/20 14:06	6/10/20 14:25	6/10/20 14:36				
Date/Time Analyzed:	6/16/20 10:33	6/16/20 10:48	6/16/20 11:02	6/16/20 11:17				
QC Batch No.:	200615GC8A3	200615GC8A3	200615GC8A3	200615GC8A3				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v	% v/v
Hydrogen	0.060 d	0.032	4.6 d	0.032	11	3.2	33	3.2
Carbon Dioxide	44	0.032	35	0.032	64	0.032	54	0.032
Oxygen/Argon	ND	1.6	6.3	1.6	ND	1.6	ND	1.6
Nitrogen	ND	3.2	26	3.2	9.6	3.2	5.4	3.2
Methane	52	0.0032	28	0.0032	13	0.0032	5.4	0.0032
Carbon Monoxide	ND	0.0032	0.0090	0.0032	0.046	0.0032	0.10	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200616GC8A2

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 6/19/20

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: 06/12/20
Matrix: Air
Reporting Units: % v/v

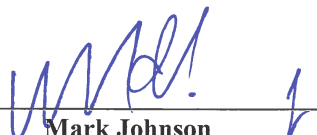
ASTM D1946

Lab No.:	L061202-49						
Client Sample I.D.:	GEW 160						
Date/Time Sampled:	6/10/20 14:48						
Date/Time Analyzed:	6/18/20 11:19						
QC Batch No.:	200618GC8A1						
Analyst Initials:	CM						
Dilution Factor:	3.2						
ANALYTE	Result % v/v	RL % v/v					
Hydrogen	10	3.2					
Carbon Dioxide	33	0.032					
Oxygen/Argon	4.0	1.6					
Nitrogen	32	3.2					
Methane	20	0.0032					
Carbon Monoxide	0.021	0.0032					

Results normalized including non-methane hydrocarbons

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

Reviewed/Approved By: _____


Mark Johnson
Operations Manager

Date 6/19/21

The cover letter is an integral part of this analytical report

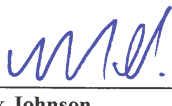


QC Batch No: 200615GC8A1
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	6/15/20 9:32			6/15/20 9:03		6/15/20 9:17					
Analyst Initials:	AS			AS		AS					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	5.14	103	5.23	105	1.8	70	130	30
Carbon Dioxide	ND	0.010	10	10.6	106	10.6	105	0.3	70	130	30
Oxygen/Argon	ND	0.50	15	15.3	103	15.2	103	0.3	70	130	30
Nitrogen	ND	1.0	70	68.6	98	68.4	98	0.3	70	130	30
Methane	ND	0.0010	0.10	0.101	101	0.101	101	0.3	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.103	103	0.103	103	0.1	70	130	30

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

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 6/15/20

The cover letter is an integral part of this analytical report


QC Batch No: 200615GC8A2
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	6/15/20 16:37			6/15/20 17:21		6/15/20 17:36					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0					
									Limits		
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	4.92	98	4.93	99	0.2	70	130	30
Carbon Dioxide	ND	0.010	10	10.2	102	10.2	102	0.1	70	130	30
Oxygen/Argon	ND	0.50	15	15.0	101	15.0	101	0.1	70	130	30
Nitrogen	ND	1.0	70	67.5	97	67.5	96	0.1	70	130	30
Methane	ND	0.0010	0.10	0.101	101	0.101	101	0.3	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.102	102	0.102	102	0.2	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By:  _____
Mark Johnson
Operations Manager

Date: 6/15/20


The cover letter is an integral part of this analytical report

QC Batch No: 200615GC8A3
Matrix: Air
Reporting Units: % v/v

**ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	6/15/20 23:55			6/15/20 23:26		6/15/20 23:41					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	4.80	96	4.72	94	1.8	70	130	30
Carbon Dioxide	ND	0.010	10	10.2	102	10.1	101	0.7	70	130	30
Oxygen/Argon	ND	0.50	15	15.0	102	14.9	101	0.7	70	130	30
Nitrogen	ND	1.0	70	67.7	97	67.3	96	0.7	70	130	30
Methane	ND	0.0010	0.10	0.103	103	0.102	102	0.5	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.104	104	0.104	104	0.3	70	130	30

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

Reviewed/Approved By:  1 Date 6/19/21
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200618GC8A1
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	6/18/20 9:50			6/18/20 10:06		6/18/20 10:20					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	5.00	100	5.18	104	3.6	70	130	30
Carbon Dioxide	ND	0.010	10	10.4	104	10.4	103	0.5	70	130	30
Oxygen/Argon	ND	0.50	15	15.1	102	15.0	102	0.3	70	130	30
Nitrogen	ND	1.0	70	68.2	98	67.9	97	0.5	70	130	30
Methane	ND	0.0010	0.10	0.101	101	0.100	100	0.9	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.103	103	0.102	102	0.7	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

Mark Johnson
 Mark Johnson
 Operations Manager

Date _____

6/19/20

The cover letter is an integral part of this analytical report




AirTECHNOLOGY Laboratories, Inc.

QC Batch No: 200616GC8A1
 Matrix: Air
 Reporting Units: % v/v

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

Lab No.:		METHOD BLANK		LCS		LCSD					
Date Analyzed:		6/16/20 13:23		6/16/20 13:14		6/16/20 13:19					
Analyst Initials:		CM		CM		CM					
Dilution Factor:		1.0		1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	0.010	1.0	0.814	81	0.815	81	0.1	70	130	30

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

Reviewed/Approved By:  Date 6/19/20
 Mark Johnson
 Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No: 200616GC8A2
 Matrix: Air
 Reporting Units: % v/v

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

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	6/16/20 15:40			6/16/20 15:31		6/16/20 15:36					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0					
									Limits		
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	0.010	1.0	0.817	82	0.815	81	0.3	70	130	30

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

Reviewed/Approved By: _____

Mark Johnson
 Mark Johnson
 Operations Manager

Date _____

6/19/20

The cover letter is an integral part of this analytical report





June 29, 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: L062501-01/06

Enclosed are results for sample(s) received 6/25/20 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 6/26/20.

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 "M. Johnson".

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Enclosures

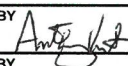
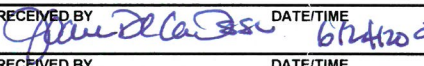
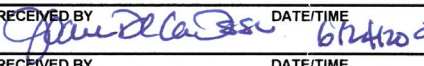
Note: The cover letter is an integral part of this analytical report.

	18501 E. Gale Ave., Suite 130 City of Industry, CA 91748 Ph: 626-964-4032 Fx: 626-964-5832	CHAIN OF CUSTODY RECORD		
		TURNAROUND TIME Standard <input type="checkbox"/> 48 hours <input type="checkbox"/> Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/> 24 hours <input checked="" type="checkbox"/> 96 hours <input type="checkbox"/> Other: 5 Day	DELIVERABLES EDD <input checked="" type="checkbox"/> EDF <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/>	PAGE: 1 OF 1 Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C

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

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

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYP	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST					
	Cannister ID	Sample Start	Sample End													
LO62501-01	A7665	-20.3	-5	GEW 2	6/24/2020	8:28	C	LFG	NA	X						5
-02	A7770	-20.7	-5	GEW 50	6/24/2020	8:42	C	LFG	NA	X						5
-03	6154	-20.5	-5	GEW 52	6/24/2020	9:00	C	LFG	NA	X						5
-04	5272	-20.5	-5	GEW 49	6/24/2020	9:08	C	LFG	NA	X						5
-05	A7794	-20.4	-5	GEW 41R	6/24/2020	9:23	C	LFG	NA	X						5
-06	A7799	-20.5	-5	GEW 42R	6/24/2020	9:32	C	LFG	NA	X						5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services				COMMENTS
SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME: 6/24/2020				
RELINQUISHED BY: 	DATE/TIME: 6/24/2020	RECEIVED BY: 	DATE/TIME: 6/24/2020	
RELINQUISHED BY: FedEx	DATE/TIME: 6/24/20	RECEIVED BY: 	DATE/TIME: 6/24/2020	
RELINQUISHED BY: _____	DATE/TIME: _____	RECEIVED BY: _____	DATE/TIME: _____	
METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other: _____				

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 06/25/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

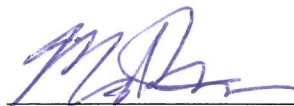
Lab No.:	L062501-01	L062501-02	L062501-03	L062501-04				
Client Sample I.D.:	GEW 2	GEW 50	GEW 52	GEW 49				
Date/Time Sampled:	6/24/20 8:28	6/24/20 8:42	6/24/20 9:00	6/24/20 9:08				
Date/Time Analyzed:	6/26/20 8:27	6/26/20 8:41	6/26/20 8:56	6/26/20 9:10				
QC Batch No.:	200625GC8A2	200625GC8A2	200625GC8A2	200625GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.2				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.032	ND d	0.032	ND d	0.032	ND d	0.032
Carbon Dioxide	40	0.032	40	0.032	39	0.032	39	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	7.3	3.2	7.1	3.2	12	3.2	14	3.2
Methane	52	0.0032	52	0.0032	49	0.0032	47	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032	ND	0.0032	ND	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200626GC8A1

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 6-26-20

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: 06/25/20
Matrix: Air
Reporting Units: % v/v

ASTM D1946

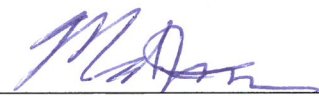
Lab No.:	L062501-05	L062501-06		
Client Sample I.D.:	GEW 41R	GEW 42R		
Date/Time Sampled:	6/24/20 9:23	6/24/20 9:32		
Date/Time Analyzed:	6/26/20 9:25	6/26/20 9:40		
QC Batch No.:	200625GC8A2	200625GC8A2		
Analyst Initials:	CM	CM		
Dilution Factor:	3.2	3.2		
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.032	ND d	0.032
Carbon Dioxide	36	0.032	40	0.032
Oxygen/Argon	ND	1.6	ND	1.6
Nitrogen	12	3.2	6.0	3.2
Methane	50	0.0032	53	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 200626GC8A1

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 6-26-20

The cover letter is an integral part of this analytical report



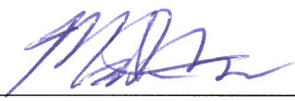
QC Batch No: 200625GC8A2
 Matrix: Air
 Reporting Units: % v/v

**ASTM D1946
 LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	6/26/20 8:09			6/25/20 17:57		6/25/20 18:11					
Analyst Initials:	AS			AS		AS					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	5.0	5.03	101	5.02	100	0.2	70	130	30
Carbon Dioxide	ND	0.010	10	10.4	103	10.4	104	0.1	70	130	30
Oxygen/Argon	ND	0.50	15	15.0	101	15.0	101	0.0	70	130	30
Nitrogen	ND	1.0	70	67.9	97	67.9	97	0.0	70	130	30
Methane	ND	0.0010	0.10	0.101	101	0.100	100	0.2	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.103	103	0.103	103	0.2	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date: 6-26-20

The cover letter is an integral part of this analytical report

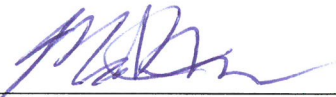


QC Batch No: 200626GC8A1
 Matrix: Air
 Reporting Units: % v/v

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

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	6/26/20 11:39			6/26/20 11:30		6/26/20 11:35					
Analyst Initials:	CM			CM		CM					
Dilution Factor:	1.0			1.0		1.0		Limits			
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	0.010	1.0	0.810	81	0.812	81	0.3	70	130	30

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

Reviewed/Approved By: 
 Mark Johnson
 Operations Manager

Date 6-26-20

The cover letter is an integral part of this analytical report



ATTACHMENT C-2

LABORATORY ANALYSES REPORTS

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		North Quarry						
		(%)					(ppm)	
GEW-002	2/17/2020	50	36	ND	14	ND	ND	
GEW-002	3/10/2020	51	41	1.6	6.9	ND	ND	
GEW-002	3/24/2020	52	44	ND	3.5	ND	ND	
GEW-002	4/7/2020	53	43	ND	3.9	ND	ND	
GEW-002	5/12/2020	51	42	ND	6.4	ND	ND	
GEW-002	6/10/2020	44	34	4.0	17	ND	ND	
GEW-002	6/24/2020	52	40	ND	7.3	ND	ND	See Note 3
GEW-02S	2/17/2020	58	33	1.6	7.5	ND	ND	
GEW-02S	2/27/2020	57	33	ND	8.5	ND	ND	
GEW-02S	3/10/2020	56	36	ND	7.3	ND	ND	
GEW-02S	4/7/2020	54	34	2.3	9.6	ND	ND	
GEW-02S	4/28/2020	54	34	2.3	9.1	ND	ND	
GEW-02S	5/12/2020	57	35	1.7	6.6	ND	ND	
GEW-02S	5/27/2020	54	34	2.6	9.4	ND	ND	See Note 4
GEW-02S	6/10/2020	59	37	ND	3.5	ND	ND	
GEW-003	2/18/2020	52	38	ND	8.5	ND	ND	
GEW-003	3/10/2020	52	42	ND	5.4	0.028	ND	
GEW-003	4/8/2020	51	42	ND	6.2	ND	ND	
GEW-003	5/12/2020	51	42	ND	7.1	ND	ND	
GEW-003	6/10/2020	50	42	ND	7.5	ND	ND	
GEW-004	2/18/2020	53	38	ND	9.0	0.037	ND	
GEW-004	3/10/2020	40	32	5.3	23	ND	ND	
GEW-004	3/24/2020	50	42	ND	7.3	ND	ND	
GEW-004	4/7/2020	51	41	ND	6.8	ND	ND	
GEW-004	5/12/2020	49	40	ND	9.5	ND	ND	
GEW-004	6/10/2020	49	41	ND	9.3	ND	ND	
GEW-005	2/18/2020	47	33	ND	19	ND	ND	
GEW-005	3/10/2020	49	37	ND	14	ND	ND	
GEW-005	4/8/2020	52	38	ND	9.1	ND	ND	
GEW-005	5/12/2020	49	38	ND	12	ND	ND	
GEW-005	6/10/2020	44	36	ND	19	ND	ND	
GEW-006	2/18/2020	53	35	ND	11	ND	ND	
GEW-006	3/10/2020	53	38	ND	8.9	ND	ND	
GEW-006	4/8/2020	54	39	ND	6.8	ND	ND	
GEW-006	5/12/2020	54	39	ND	5.8	ND	ND	
GEW-006	6/10/2020	53	39	ND	7.4	ND	ND	
GEW-007	2/17/2020	55	40	ND	4.3	ND	ND	
GEW-007	3/9/2020	54	41	ND	4.4	ND	ND	
GEW-007	4/6/2020	52	40	ND	6.9	ND	ND	
GEW-007	5/11/2020	53	42	ND	4.4	ND	ND	
GEW-007	6/8/2020	52	41	ND	6.1	ND	ND	
GEW-008	2/17/2020	54	41	ND	2.8	1.3	ND	
GEW-008	3/9/2020	52	43	ND	3.3	1.1	ND	
GEW-008	4/6/2020	51	43	ND	3.6	1.2	ND	
GEW-008	5/11/2020	51	44	ND	3.2	0.96	ND	
GEW-008	6/8/2020	49	43	ND	5.3	1.0	ND	
GEW-009	2/17/2020	52	40	ND	6.7	0.77	ND	
GEW-009	3/9/2020	48	40	ND	9.4	0.67	ND	
GEW-009	4/7/2020	49	42	ND	7.6	0.62	ND	
GEW-009	5/11/2020	49	43	ND	6.3	0.60	ND	
GEW-009	6/8/2020	48	42	ND	7.6	0.53	ND	
GEW-040	2/17/2020	57	32	ND	10.0	ND	ND	
GEW-040	3/9/2020	51	33	ND	15	ND	ND	
GEW-040	4/7/2020	51	33	ND	14	ND	ND	
GEW-040	5/11/2020	54	35	ND	10	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-040	6/8/2020	51	34	ND	14	ND	ND	
GEW-041R	2/17/2020	53	33	ND	12	ND	ND	
GEW-041R	3/9/2020	49	35	ND	15	ND	ND	
GEW-041R	4/7/2020	51	35	ND	13	ND	ND	
GEW-041R	5/11/2020	52	36	ND	11	ND	ND	
GEW-041R	6/8/2020	50	35	1.7	12	ND	ND	
GEW-041R	6/24/2020	50	36	ND	12	ND	ND	
GEW-042R	2/17/2020	56	37	ND	6.5	ND	ND	
GEW-042R	3/10/2020	50	36	2.2	12	ND	ND	
GEW-042R	3/24/2020	52	40	ND	7.4	ND	ND	
GEW-042R	4/7/2020	53	39	ND	7.1	ND	ND	
GEW-042R	5/11/2020	53	40	ND	6.9	ND	ND	
GEW-042R	6/8/2020	51	38	1.9	9.4	ND	ND	
GEW-042R	6/24/2020	53	40	ND	6.0	ND	ND	
GEW-043R	2/17/2020	55	39	ND	5.6	0.12	ND	
GEW-043R	3/10/2020	50	40	ND	8.8	0.084	ND	
GEW-043R	4/7/2020	51	41	ND	6.8	0.13	ND	
GEW-043R	5/11/2020	52	41	ND	6.0	0.098	ND	
GEW-043R	6/9/2020	52	42	ND	5.1	0.11	ND	
GEW-044	2/17/2020	46	31	ND	21	ND	ND	
GEW-044	3/11/2020	47	36	ND	16	ND	ND	
GEW-044	4/7/2020	50	37	ND	12	ND	ND	
GEW-044	5/12/2020	41	34	ND	24	ND	ND	
GEW-044	6/9/2020	52	38	ND	9.2	ND	ND	
GEW-045R	2/17/2020	55	37	ND	6.8	ND	ND	
GEW-045R	3/10/2020	53	40	ND	6.2	ND	ND	
GEW-045R	4/7/2020	52	39	ND	7.9	ND	ND	
GEW-045R	5/12/2020	51	39	ND	9.1	ND	ND	
GEW-045R	6/10/2020	50	38	ND	9.9	ND	ND	
GEW-046R	2/17/2020	52	37	ND	9.9	0.054	ND	
GEW-046R	3/10/2020	51	39	ND	9.0	0.044	ND	
GEW-046R	4/7/2020	49	38	ND	11	ND	ND	
GEW-046R	5/12/2020	47	38	ND	14	ND	ND	
GEW-046R	6/10/2020	44	36	ND	19	ND	ND	
GEW-047R	2/18/2020	45	33	2.5	20	ND	ND	See Note 3
GEW-047R	2/27/2020	49	36	ND	13	0.035	ND	
GEW-047R	3/10/2020	48	39	ND	13	ND	ND	
GEW-047R	4/8/2020	48	40	ND	12	ND	ND	
GEW-047R	5/12/2020	48	40	ND	11	ND	ND	
GEW-047R	6/10/2020	46	39	ND	14	ND	ND	
GEW-048	2/18/2020	54	37	ND	8.2	ND	ND	
GEW-048	3/10/2020	52	40	ND	7.4	ND	ND	
GEW-048	4/8/2020	52	40	ND	7.0	ND	ND	
GEW-048	5/12/2020	52	40	ND	6.6	ND	ND	
GEW-048	6/10/2020	51	40	ND	7.7	ND	ND	
GEW-049	2/17/2020	53	37	ND	8.7	ND	ND	
GEW-049	3/10/2020	42	34	ND	23	ND	ND	
GEW-049	4/7/2020	52	42	ND	5.5	ND	ND	
GEW-049	5/12/2020	45	37	ND	16	ND	ND	
GEW-049	6/9/2020	47	38	3.1	12	ND	ND	
GEW-049	6/24/2020	47	39	ND	14	ND	ND	See Note 3
GEW-050	2/17/2020	54	36	ND	9.5	ND	ND	
GEW-050	3/9/2020	51	38	ND	9.7	ND	ND	
GEW-050	4/7/2020	52	38	ND	8.6	ND	ND	
GEW-050	5/11/2020	52	39	ND	9.2	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
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-051	2/17/2020	54	39	ND	5.0	0.85	ND	
GEW-051	3/9/2020	49	39	2.0	9.6	0.71	ND	
GEW-051	3/24/2020	43	36	4.2	17	0.74	ND	See Note 3
GEW-051	4/7/2020	52	42	ND	4.7	0.87	ND	
GEW-051	5/11/2020	52	43	ND	4.0	0.88	ND	
GEW-051	6/8/2020	51	42	ND	4.6	0.92	ND	
GEW-052	2/17/2020	51	37	ND	11	ND	ND	
GEW-052	3/9/2020	50	40	ND	9.5	ND	ND	
GEW-052	4/7/2020	48	38	ND	13	ND	ND	
GEW-052	5/11/2020	48	39	ND	12	ND	ND	
GEW-052	6/8/2020	47	38	1.7	13	ND	ND	
GEW-052	6/24/2020	49	39	ND	12	ND	ND	
GEW-053	2/17/2020	50	41	ND	4.3	3.7	65	
GEW-053	3/9/2020	48	43	ND	4.8	3.3	58	
GEW-053	4/7/2020	48	43	ND	4.7	3.2	54	
GEW-053	5/11/2020	48	44	ND	4.7	3.1	60	
GEW-053	6/8/2020	48	44	ND	4.3	3.2	61	
GEW-054	2/17/2020	53	41	ND	3.3	1.7	ND	
GEW-054	3/9/2020	51	43	ND	4.0	1.5	ND	
GEW-054	4/7/2020	51	43	ND	3.4	1.5	ND	
GEW-054	5/11/2020	51	44	ND	ND	1.5	ND	
GEW-054	6/8/2020	50	44	ND	3.4	1.6	ND	
GEW-055	2/17/2020	52	40	ND	5.5	1.4	ND	
GEW-055	3/9/2020	49	42	ND	7.2	1.2	ND	
GEW-055	4/7/2020	49	42	ND	6.7	1.2	ND	
GEW-055	5/11/2020	49	43	ND	5.9	1.1	ND	
GEW-055	6/8/2020	49	42	ND	6.7	1.1	ND	
Flare Station ²	2/6/2020	24.5	33.0	6.4	30.0	5.8	180	See Note 9
Flare Station ²	3/4/2020	23.5	38.0	5.3	28.0	5.1	160	See Note 9
Flare Station ²	4/6/2020	26.0	37.5	4.6	26.5	5.2	160	See Note 9
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

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

ND = Analyte not detected in sample.

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

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		%					ppm	
South Quarry								
GEW-010	2/13/2020	56	41	ND	ND	0.13	ND	
GEW-010	3/11/2020	53	43	ND	ND	0.096	ND	
GEW-010	4/8/2020	53	43	ND	ND	0.096	ND	
GEW-010	5/12/2020	53	43	ND	ND	0.073	ND	
GEW-010	6/10/2020	52	44	ND	ND	0.060	ND	
GEW-013A	4/7/2020	13	60	ND	ND	22	680	
GEW-015	4/9/2020	22	49	ND	11	17	530	
GEW-016R	4/9/2020	8.2	58	ND	6.6	26	780	
GEW-018B	4/13/2020	6.2	44	2.5	23	24	630	
GEW-019A	4/10/2020	0.66	55	5.5	19	18	870	See Note 4
GEW-039	2/17/2020	36	32	2.2	29	ND	ND	
GEW-039	3/11/2020	31	33	1.8	34	ND	ND	
GEW-039	4/9/2020	22	30	3.1	44	ND	ND	
GEW-039	5/13/2020	27	32	2.5	39	ND	ND	
GEW-039	6/10/2020	21	30	2.7	45	ND	ND	
GEW-056R	2/12/2020	46	42	ND	4.8	6.1	90	
GEW-056R	3/11/2020	43	44	ND	7.6	3.8	72	
GEW-056R	4/8/2020	44	45	ND	6.2	3.6	67	
GEW-056R	5/12/2020	42	43	ND	12	2.8	53	
GEW-056R	6/10/2020	41	42	2.4	12	2.5	50	
GEW-057B	4/9/2020	5.0	55	ND	3.0	34	600	
GEW-058A	4/9/2020	7.7	32	3.5	42	14	400	
GEW-059R	4/8/2020	13	40	ND	22	23	520	
GEW-067A	4/6/2020	6.0	56	ND	ND	31	570	
GEW-068A	4/9/2020	13	52	ND	6.1	27	920	
GEW-078R	4/10/2020	8.6	27	1.6	51	11	400	
GEW-082R	4/10/2020	7.3	34	ND	40	17	550	
GEW-086	4/6/2020	6.1	52	ND	ND	36	910	
GEW-087	4/9/2020	10	30	5.6	52	2.8	80	See Note 4
GEW-088	4/7/2020	1.7	45	ND	15	35	1,000	
GEW-090	4/6/2020	20	42	ND	18	19	380	
GEW-091	2/17/2020	3.6	51	ND	ND	41	390	
GEW-091	3/11/2020	2.3	57	ND	ND	35	380	
GEW-091	4/8/2020	6.0	49	ND	5.4	36	230	
GEW-091	5/13/2020	2.3	55	ND	4.3	36	380	
GEW-091	6/10/2020	2.2	51	2.3	8.0	34	340	
GEW-100	4/13/2020	11	64	ND	ND	22	540	
GEW-101	4/9/2020	38	60	ND	ND	ND	ND	
GEW-102	4/9/2020	25	50	ND	ND	21	120	
GEW-104	4/9/2020	24	40	ND	26	8.4	170	
GEW-105	4/9/2020	38	45	ND	4.9	11	280	
GEW-106	4/9/2020	13	50	ND	12	23	540	
GEW-107	4/8/2020	26	52	ND	ND	18	570	
GEW-108	2/17/2020	35	41	2.0	6.7	15	310	
GEW-108	3/11/2020	29	45	2.5	8.8	15	310	
GEW-108	4/9/2020	37	48	ND	3.8	10	200	
GEW-108	5/13/2020	37	48	ND	4.0	9.5	180	
GEW-108	6/10/2020	32	46	ND	4.6	16	260	
GEW-109	2/17/2020	43	42	3.2	11	ND	ND	
GEW-109	3/11/2020	43	43	ND	11	0.57	ND	
GEW-109	4/9/2020	41	42	2.1	15	0.41	ND	
GEW-109	5/13/2020	41	44	1.5	13	0.37	ND	
GEW-109	6/10/2020	42	43	1.7	13	0.33	ND	
GEW-110	2/13/2020	26	33	7.5	26	8.1	140	See Note 4

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-110	3/11/2020	34	44	1.7	13	6.8	120	
GEW-110	4/8/2020	37	48	ND	4.9	8.9	150	
GEW-110	5/12/2020	25	32	8.0	29	6.1	98	See Note 3
GEW-110	6/10/2020	28	35	6.3	26	4.6	90	See Note 4
GEW-113	4/9/2020	9.7	61	ND	6.1	22	870	
GEW-116	4/8/2020	31	64	ND	ND	0.91	48	
GEW-117	4/8/2020	33	58	ND	5.7	1.9	160	
GEW-118	4/10/2020	1.8	58	ND	3.2	34	640	
GEW-120	4/13/2020	48	49	ND	ND	0.17	ND	
GEW-121	4/13/2020	33	55	ND	3.9	6.3	210	
GEW-122	4/13/2020	38	37	ND	18	6.9	260	
GEW-123	4/13/2020	29	59	ND	9.6	1.8	250	
GEW-124	4/13/2020	44	37	4.2	15	ND	ND	
GEW-125	4/13/2020	35	56	ND	6.1	2.1	280	
GEW-126	4/14/2020	20	50	2.0	16	12	730	
GEW-127	4/14/2020	12	45	4.5	26	12	810	
GEW-129	4/14/2020	35	56	ND	4.8	3.3	280	
GEW-130	4/14/2020	22	45	ND	17	14	930	
GEW-131	4/14/2020	39	46	ND	ND	11	700	
GEW-132	4/10/2020	15	31	2.7	41	9.9	470	
GEW-133	4/10/2020	1.2	65	ND	3.9	27	1,300	
GEW-134	4/10/2020	8.0	35	4.4	44	7.9	280	
GEW-135	4/10/2020	3.5	50	1.7	19	26	690	
GEW-137	4/9/2020	36	42	ND	21	ND	ND	
GEW-139	4/13/2020	17	40	3.6	22	17	760	
GEW-140	4/13/2020	28	43	ND	13	14	370	
GEW-144	4/9/2020	36	34	6.8	24	0.050	ND	See Note 3
GEW-145	4/9/2020	29	48	ND	ND	19	250	
GEW-147	4/9/2020	14	45	3.1	24	14	440	
GEW-148	4/9/2020	17	53	ND	5.3	23	1,100	
GEW-149	4/6/2020	7.2	24	1.7	65	1.4	45	
GEW-150	4/9/2020	21	40	4.5	21	12	330	
GEW-151	4/7/2020	5.3	30	6.7	41	16	390	See Note 4
GEW-152	4/8/2020	18	50	1.7	12	18	430	
GEW-153	4/8/2020	21	30	ND	45	2.7	180	
GEW-156	4/9/2020	30	44	ND	15	10	250	
GEW-157	4/9/2020	34	41	2.8	10	12	220	
GEW-158	4/9/2020	25	46	ND	16	12	320	
GEW-160	2/17/2020	24	39	ND	19	17	400	
GEW-160	3/11/2020	17	35	4.6	30	14	380	
GEW-160	4/8/2020	21	38	ND	24	15	340	
GEW-160	5/13/2020	22	39	ND	24	13	290	
GEW-160	6/10/2020	20	33	4.0	32	10	210	
GEW-161	2/13/2020	5.4	54	ND	3.6	36	1,300	
GEW-161	3/11/2020	2.5	51	ND	14	31	1,100	
GEW-161	4/8/2020	8.9	53	ND	5.5	30	990	
GEW-161	5/13/2020	6.3	56	ND	4.5	32	1,000	
GEW-161	6/10/2020	5.4	54	ND	5.4	33	1,000	
GEW-162	2/13/2020	14	65	ND	6.0	15	650	
GEW-162	3/11/2020	1.1	14	2.8	81	1.5	1,100	
GEW-162	4/8/2020	12	66	ND	6.8	13	550	
GEW-162	5/13/2020	12	65	ND	9.0	13	510	
GEW-162	6/10/2020	13	64	ND	9.6	11	460	
GEW-163	4/13/2020	27	56	ND	12	4.1	130	
GEW-164	4/13/2020	31	49	ND	18	0.072	ND	
GEW-165	4/13/2020	17	45	4.9	25	7.9	290	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-166	4/13/2020	5.5	55	ND	4.1	33	2,200	
GEW-167	4/8/2020	11	43	3.1	15	27	1,100	
GEW-168	4/14/2020	28	41	5.7	22	3.1	100	See Note 4
GEW-169	4/14/2020	17	47	2.0	23	11	570	
GEW-170	4/13/2020	12	43	4.3	25	15	860	
GEW-171	4/13/2020	17	52	4.0	15	11	500	
GEW-172	4/13/2020	19	41	3.8	19	16	730	
GEW-174	4/13/2020	13	34	ND	48	4.2	74	
GEW-175	4/9/2020	27	35	5.8	31	1.7	67	See Note 4
GEW-177	4/14/2020	11	55	ND	14	19	1,500	
GEW-178	4/9/2020	35	44	3.6	17	ND	ND	
GEW-179	4/9/2020	44	51	ND	4.6	ND	ND	
GEW-180	4/9/2020	31	62	ND	4.9	ND	ND	
GEW-181	4/9/2020	24	72	ND	3.5	ND	ND	
GEW-185	4/13/2020	39	58	ND	ND	ND	ND	
GEW-186	4/13/2020	35	42	2.8	18	0.97	84	
GEW-187	2/17/2020	18	23	13	44	0.92	51	See Note 3
GEW-187	3/11/2020	38	50	1.9	6.7	2.8	100	
GEW-187	4/9/2020	40	52	ND	5.0	2.0	79	
GEW-187	5/13/2020	41	54	ND	ND	1.9	71	
GEW-187	6/10/2020	41	51	ND	4.2	2.1	66	
GEW-217	4/9/2020	10	55	ND	4.4	28	590	
GEW-218	4/9/2020	20	41	3.3	25	10	300	
GEW-220	4/8/2020	31	50	ND	4.4	13	420	
GEW-221	4/9/2020	25	57	ND	9.7	6.4	160	
GEW-222	4/13/2020	33	42	2.5	13	8.7	290	
GEW-223	4/13/2020	31	64	ND	ND	2.3	230	
GEW-224	4/13/2020	31	59	ND	ND	7.3	540	
GEW-225	4/13/2020	17	51	1.8	9.4	21	1,400	
GEW-226	4/13/2020	12	36	ND	35	15	690	
GEW-227	4/10/2020	1.6	39	2.7	36	20	470	
GEW-228	4/9/2020	3.8	16	11	65	4.2	59	See Note 4
GEW-229	4/6/2020	13	30	ND	46	9.7	270	
GEW-230	4/6/2020	3.6	47	2.0	17	29	620	
GEW-232	4/9/2020	25	60	ND	7.0	6.3	240	
GEW-233	4/10/2020	0.68	38	4.0	36	22	520	
GEW-234	4/10/2020	7.9	50	ND	12	27	1,100	
GEW-235	4/13/2020	25	53	ND	8.1	12	320	
GEW-236	4/10/2020	2.9	41	4.1	20	31	320	
GEW-237	4/8/2020	32	42	4.2	19	2.9	100	
GEW-238	4/9/2020	5.3	64	ND	3.3	25	780	
GEW-239	4/6/2020	1.2	55	ND	ND	38	1,100	
GEW-240	4/13/2020	1.7	26	8.6	52	12	340	See Note 4
GIW-01	2/17/2020	19	51	3.2	11	16	550	
GIW-01	3/11/2020	25	61	ND	ND	10	370	
GIW-01	4/8/2020	26	59	ND	ND	11	330	
GIW-01	5/12/2020	28	57	ND	3.7	9.8	330	
GIW-01	6/10/2020	27	51	2.8	11	7.8	250	
GIW-02	2/17/2020	6.1	53	ND	22	17	870	
GIW-02	3/11/2020	8.3	50	2.5	28	11	500	
GIW-02	4/8/2020	8.8	65	ND	8.0	17	900	
GIW-02	5/12/2020	11	58	ND	15	14	550	
GIW-02	6/10/2020	14	54	ND	21	10	470	
GIW-03	2/17/2020	20	45	1.8	19	13	490	
GIW-03	3/11/2020	12	41	ND	36	9.9	470	
GIW-03	4/8/2020	21	49	ND	17	12	430	
GIW-03	5/13/2020	21	46	ND	21	11	410	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GIW-03	6/10/2020	24	44	ND	21	9.6	350	
GIW-04	2/17/2020	17	46	1.7	7.1	27	930	
GIW-04	3/11/2020	17	49	ND	9.7	22	760	
GIW-04	4/8/2020	19	50	ND	7.8	22	710	
GIW-04	5/13/2020	21	50	ND	6.9	20	650	
GIW-04	6/10/2020	23	48	ND	9.0	19	570	
GIW-05	2/17/2020	0.32	1.5	23	76	0.065	ND	See Note 4
GIW-05	3/11/2020	20	38	4.7	26	11	190	
GIW-05	4/8/2020	7.8	19	14	52	6.9	70	See Note 4
GIW-05	5/13/2020	23	47	ND	13	15	210	
GIW-05	6/10/2020	8.0	14	17	61	0.82	39	See Note 4
GIW-06	2/17/2020	38	38	ND	17	5.9	45	
GIW-06	3/11/2020	37	40	ND	18	3.3	35	
GIW-06	4/8/2020	33	42	ND	20	3.8	35	
GIW-06	5/13/2020	26	40	1.8	29	3.0	33	
GIW-06	6/10/2020	38	45	ND	13	3.1	33	
GIW-07	2/17/2020	54	42	ND	3.2	ND	ND	
GIW-07	3/11/2020	49	39	2.0	9.6	ND	ND	
GIW-07	4/8/2020	48	46	ND	5.1	ND	ND	
GIW-07	5/13/2020	47	47	ND	5.5	ND	ND	
GIW-07	6/10/2020	50	45	ND	3.2	ND	ND	
GIW-08	2/17/2020	52	43	ND	4.3	ND	ND	
GIW-08	3/11/2020	46	46	ND	7.4	ND	ND	
GIW-08	4/8/2020	45	46	ND	7.6	ND	ND	
GIW-08	5/13/2020	43	44	ND	12	ND	ND	
GIW-08	6/10/2020	46	46	ND	7.7	ND	ND	
GIW-09	2/17/2020	26	39	3.3	17	15	200	
GIW-09	3/11/2020	24	43	ND	19	12	150	
GIW-09	4/8/2020	22	43	ND	21	13	150	
GIW-09	5/13/2020	21	40	ND	27	11	140	
GIW-09	6/10/2020	26	41	ND	22	9.3	110	
GIW-10	2/17/2020	27	32	1.6	30	8.6	150	
GIW-10	3/11/2020	25	34	ND	32	7.5	140	
GIW-10	4/8/2020	23	34	ND	34	7.5	130	
GIW-10	5/13/2020	22	33	ND	37	6.6	120	
GIW-10	6/10/2020	25	34	ND	35	4.6	87	
GIW-11	2/17/2020	27	33	1.5	35	3.4	230	
GIW-11	3/11/2020	26	35	1.6	35	2.8	210	
GIW-11	4/8/2020	25	35	ND	36	2.7	140	
GIW-11	5/13/2020	23	33	1.9	40	2.2	150	
GIW-11	6/10/2020	26	36	ND	35	2.1	46	
GIW-12	2/17/2020	32	34	2.6	28	4.6	180	
GIW-12	3/11/2020	32	37	1.8	24	3.8	150	
GIW-12	4/8/2020	29	36	2.4	28	4.5	160	
GIW-12	5/13/2020	29	36	2.1	29	2.6	100	
GIW-12	6/10/2020	33	39	ND	25	2.1	72	
GIW-13	2/17/2020	43	44	ND	4.1	7.8	100	
GIW-13	3/11/2020	35	48	ND	9.1	7.1	100	
GIW-13	4/8/2020	44	47	ND	3.7	4.6	80	
GIW-13	5/13/2020	46	46	ND	3.7	3.4	59	
GIW-13	6/10/2020	47	45	ND	3.9	3.1	51	

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

ATTACHMENT D

GAS WELLFIELD DATA

ATTACHMENT D-1

WELLFIELD DATA TABLE

June 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	6/1/2020 10:19:22 AM	52.3	39.6	0.0	8.1	109.8	109.7	39.60	31.47	-2.23	-2.23	-13.73
GEW-002	6/10/2020 10:08:21 AM	55.7	39.3	0.0	5.0	99.9	98.7	49.31	46.31	-1.87	-1.82	-13.98
GEW-002	6/10/2020 10:13:57 AM	55.4	39.8	0.0	4.8	99.1	98.9	23.23	23.23	-1.46	-1.46	-13.69
GEW-002	6/15/2020 11:22:05 AM	52.7	39.2	0.0	8.1	109.0	109.0	22.23	20.17	-1.47	-1.45	-13.86
GEW-002	6/22/2020 3:12:11 PM	55.4	38.9	0.0	5.7	102.2	102.3	40.26	41.15	-2.01	-2.03	-14.57
GEW-002	6/24/2020 8:24:51 AM	54.4	39.3	0.0	6.3	109.0	109.0	22.71	22.71	-1.52	-1.52	-13.69
GEW-002	6/24/2020 8:30:50 AM	54.8	38.1	0.0	7.1	109.0	109.0	16.61	20.52	-1.52	-1.52	-13.02
GEW-002	6/29/2020 10:29:07 AM	56.3	38.5	0.0	5.2	107.5	107.6	19.07	20.54	-1.84	-1.81	-13.27
GEW-003	6/1/2020 10:31:29 AM	52.7	41.2	0.0	6.1	114.0	114.0	7.61	7.61	-0.63	-0.63	-13.27
GEW-003	6/10/2020 10:17:25 AM	53.0	40.9	0.0	6.1	111.9	111.8	13.99	13.73	-0.97	-0.96	-13.69
GEW-003	6/10/2020 10:23:11 AM	52.6	41.6	0.0	5.8	111.5	111.5	27.46	25.97	-0.90	-0.90	-13.35
GEW-003	6/15/2020 11:25:35 AM	52.1	41.2	0.0	6.7	117.3	117.3	11.06	14.19	-0.60	-0.61	-13.23
GEW-003	6/22/2020 3:15:49 PM	51.5	39.5	0.0	9.0	116.8	116.8	4.65	8.05	-0.23	-0.24	-13.65
GEW-003	6/29/2020 10:34:21 AM	47.6	38.9	0.0	13.5	116.0	116.1	7.00	7.13	-0.70	-0.68	-13.77
GEW-003	6/29/2020 10:36:55 AM	47.4	39.0	0.0	13.6	115.8	115.7	2.08	3.55	-0.53	-0.50	-13.14
GEW-004	6/1/2020 10:23:21 AM	51.4	40.1	0.0	8.5	111.5	111.4	12.93	15.01	-0.45	-0.45	-13.27
GEW-004	6/10/2020 10:26:58 AM	51.8	40.9	0.0	7.3	110.0	110.0	40.37	41.00	-0.77	-0.77	-13.69
GEW-004	6/10/2020 10:33:05 AM	52.1	40.4	0.0	7.5	110.0	110.0	17.27	15.96	-0.81	-0.80	-13.73
GEW-004	6/15/2020 11:28:13 AM	50.3	40.6	0.0	9.1	113.1	113.1	11.73	13.73	-0.47	-0.46	-13.65
GEW-004	6/15/2020 11:30:01 AM	50.2	40.5	0.0	9.3	113.0	113.0	12.91	13.11	-0.53	-0.50	-13.35
GEW-004	6/22/2020 3:18:20 PM	52.0	39.9	0.0	8.1	112.9	113.0	12.35	12.35	-0.22	-0.22	-13.69
GEW-004	6/29/2020 10:40:34 AM	52.1	38.9	0.0	9.0	112.7	112.7	8.68	8.68	-0.53	-0.53	-13.61
GEW-005	6/1/2020 11:42:27 AM	50.0	39.2	0.0	10.8	86.3	86.3	28.55	27.47	-0.02	-0.02	-13.23
GEW-005	6/10/2020 11:19:47 AM	46.2	35.9	0.0	17.9	82.3	82.3	21.07	21.07	-0.53	-0.53	-13.27
GEW-005	6/10/2020 11:26:04 AM	46.0	36.3	0.0	17.7	82.3	82.3	13.83	13.54	-0.56	-0.54	-13.82
GEW-005	6/15/2020 11:39:53 AM	46.6	38.2	0.0	15.2	87.0	87.1	10.32	9.55	-0.13	-0.13	-13.27
GEW-005	6/15/2020 11:41:28 AM	46.9	37.5	0.0	15.6	87.5	87.5	6.16	6.75	-0.13	-0.12	-13.10
GEW-005	6/23/2020 8:34:51 AM	44.6	36.3	0.0	19.1	84.5	84.7	5.52	6.77	-0.40	-0.40	-13.52
GEW-005	6/23/2020 8:35:58 AM	44.8	35.9	0.0	19.3	85.0	85.1	3.90	4.78	-0.39	-0.39	-13.10
GEW-005	6/29/2020 10:50:20 AM	50.7	36.8	0.0	12.5	85.8	85.9	5.52	6.76	-0.09	-0.09	-13.14
GEW-006	6/1/2020 11:48:53 AM	56.0	39.5	0.0	4.5	83.5	83.6	21.24	10.71	-0.28	-0.28	-13.06
GEW-006	6/10/2020 11:41:14 AM	55.5	38.6	0.0	5.9	82.6	82.7	15.39	17.27	-0.77	-0.76	-13.94
GEW-006	6/10/2020 11:46:39 AM	55.9	38.4	0.0	5.7	82.6	82.6	20.87	18.75	-0.78	-0.76	-13.73
GEW-006	6/15/2020 1:41:07 PM	55.9	36.9	0.0	7.2	89.1	89.1	18.11	16.35	-0.25	-0.24	-14.15
GEW-006	6/23/2020 8:41:35 AM	54.3	37.9	0.0	7.8	83.7	83.7	25.91	24.40	-0.68	-0.67	-14.07
GEW-006	6/29/2020 10:57:01 AM	55.2	38.1	0.0	6.7	85.6	85.6	17.01	18.51	-0.35	-0.35	-14.07
GEW-007	6/1/2020 9:55:05 AM	56.3	41.0	0.0	2.7	92.9	92.9	12.99	10.13	-5.41	-5.41	-13.35
GEW-007	6/8/2020 10:12:50 AM	57.6	41.6	0.0	0.8	95.1	95.1	10.80	11.77	-5.75	-5.75	-13.23
GEW-007	6/8/2020 10:20:51 AM	57.8	41.5	0.0	0.7	95.0	95.0	7.14	9.90	-5.75	-5.75	-13.56
GEW-007	6/15/2020 9:26:49 AM	56.2	41.7	0.0	2.1	94.3	94.4	10.11	10.81	-5.75	-5.75	-13.56

June 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	6/22/2020 11:16:58 AM	56.8	41.1	0.0	2.1	95.9	95.9	10.47	13.78	-5.07	-5.07	-13.52
GEW-007	6/29/2020 8:46:52 AM	56.4	39.9	0.0	3.7	94.3	94.3	12.37	11.13	-6.13	-6.13	-13.48
GEW-008	6/1/2020 9:58:20 AM	53.6	43.6	0.0	2.8	112.2	112.2	34.37	34.27	-0.80	-0.77	-13.90
GEW-008	6/8/2020 10:24:49 AM	54.9	43.3	0.0	1.8	113.5	113.4	14.97	14.97	-0.78	-0.78	-13.31
GEW-008	6/8/2020 10:30:42 AM	54.6	43.3	0.0	2.1	113.5	113.5	15.91	19.76	-0.75	-0.76	-13.14
GEW-008	6/15/2020 9:30:49 AM	53.4	42.9	0.0	3.7	113.0	112.9	18.04	17.84	-0.97	-0.97	-12.97
GEW-008	6/22/2020 11:20:43 AM	53.6	42.9	0.0	3.5	113.7	113.7	27.55	27.02	-0.84	-0.83	-13.52
GEW-008	6/29/2020 8:50:33 AM	53.4	41.9	0.0	4.7	112.5	112.5	30.08	29.47	-0.96	-0.96	-13.56
GEW-009	6/1/2020 10:02:09 AM	52.4	43.3	0.0	4.3	122.6	122.3	22.20	24.78	-0.15	-0.13	-13.44
GEW-009	6/8/2020 10:34:28 AM	53.3	42.4	0.0	4.3	123.4	123.4	26.58	26.17	-0.05	-0.05	-13.65
GEW-009	6/8/2020 10:41:03 AM	53.3	42.6	0.0	4.1	123.9	123.7	9.25	11.01	-0.14	-0.15	-13.52
GEW-009	6/15/2020 9:34:22 AM	48.8	41.7	0.0	9.5	121.0	121.0	9.65	10.01	-0.22	-0.22	-13.77
GEW-009	6/22/2020 11:23:49 AM	51.4	42.6	0.0	6.0	122.4	122.3	26.86	26.46	-0.17	-0.17	-13.27
GEW-009	6/29/2020 8:53:33 AM	50.4	41.0	0.0	8.6	120.7	120.5	11.66	11.66	-0.25	-0.25	-13.86
GEW-010	6/1/2020 10:17:07 AM	56.5	42.2	0.0	1.3	91.9	92.0	4.22	4.37	-4.98	-4.98	-18.69
GEW-010	6/10/2020 1:48:08 PM	55.6	42.4	0.0	2.0	91.9	91.9	2.25	2.21	-6.04	-6.04	-20.08
GEW-010	6/10/2020 1:58:41 PM	55.9	41.7	0.0	2.4	91.7	91.7	1.95	1.59	-5.74	-5.74	-20.08
GEW-010	6/15/2020 3:44:37 PM	56.3	39.4	0.0	4.3	108.3	108.2	5.07	1.43	-5.75	-5.75	-18.45
GEW-010	6/24/2020 10:19:44 AM	54.6	42.9	0.0	2.5	95.8	95.8	7.57	7.23	-4.94	-4.94	-18.44
GEW-013A	6/3/2020 10:20:04 AM	24.2	60.1	0.0	15.7	190.2	190.2	41.80	41.37	-6.75	-6.75	-17.97
GEW-013A	6/3/2020 10:21:03 AM	24.7	60.1	0.0	15.2	190.3	190.2	41.07	41.16	-6.84	-6.84	-18.01
GEW-013A	6/17/2020 9:12:57 AM	11.1	65.6	0.0	23.3	190.7	190.3	40.28	40.56	-7.78	-7.78	-19.42
GEW-013A	6/17/2020 9:13:57 AM	10.9	65.7	0.0	23.4	190.7	190.3	40.00	40.15	-7.78	-7.78	-18.87
GEW-015	6/4/2020 1:46:28 PM	47.1	49.7	0.1	3.1	128.6	128.6	3.01	3.98	-3.13	-3.12	-18.31
GEW-015	6/24/2020 10:49:31 AM	24.3	53.6	0.1	22.0	114.8	114.8	1.55	1.09	-3.32	-3.30	-18.58
GEW-016R	6/4/2020 2:00:32 PM	26.6	56.6	0.0	16.8	169.5	169.5	10.99	11.12	-2.90	-2.90	-18.18
GEW-016R	6/4/2020 2:01:28 PM	26.8	56.1	0.0	17.1	169.5	169.5	10.99	10.90	-2.91	-2.92	-18.56
GEW-016R	6/17/2020 10:59:44 AM	35.6	59.1	0.0	5.3	166.1	166.6	10.54	9.90	-2.93	-2.94	-18.16
GEW-016R	6/17/2020 11:00:51 AM	35.7	59.9	0.0	4.4	166.6	166.6	10.39	11.09	-2.92	-2.94	-18.32
GEW-018B	6/5/2020 9:20:08 AM	2.8	53.7	0.3	43.2	200.0	199.4	15.73	16.45	-0.74	-0.74	-19.92
GEW-018B	6/5/2020 9:21:01 AM	2.8	57.1	0.3	39.8	200.1	200.1	15.05	16.41	-0.78	-0.78	-19.79
GEW-018B	6/17/2020 11:15:41 AM	5.3	52.2	0.0	42.5	198.6	198.6	18.45	18.45	-1.51	-1.50	-18.48
GEW-018B	6/17/2020 11:18:10 AM	4.6	52.6	0.0	42.8	198.6	198.7	18.40	18.35	-1.53	-1.53	-18.56
GEW-019A	6/5/2020 10:33:51 AM	1.0	50.5	5.9	42.6	79.4	79.4	4.33	4.74	-18.07	-18.07	-19.53
GEW-019A	6/5/2020 10:34:58 AM	0.9	50.3	5.5	43.3	79.0	78.9	5.24	3.35	-18.15	-18.15	-19.45
GEW-019A	6/17/2020 3:05:27 PM	1.0	46.3	6.1	46.6	107.5	107.3	2.38	1.06	-17.31	-17.31	-18.73
GEW-019A	6/17/2020 3:08:42 PM	0.7	46.5	6.0	46.8	106.6	106.5	3.39	3.02	-15.24	-15.24	-18.52
GEW-019A	6/24/2020 11:24:58 AM	1.6	60.0	3.5	34.9	96.1	96.4	2.67	7.63	-17.59	-17.59	-18.28
GEW-039	6/1/2020 2:45:50 PM	32.1	30.5	1.4	36.0	109.0	109.0	12.62	13.18	-0.14	-0.14	-20.00
GEW-039	6/10/2020 2:12:25 PM	22.5	31.1	1.3	45.1	107.5	107.5	29.53	29.66	-0.20	-0.20	-20.22

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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-039	6/10/2020 2:18:05 PM	22.9	30.5	1.3	45.3	106.9	106.9	15.79	15.08	-0.19	-0.19	-20.89
GEW-039	6/17/2020 9:57:50 AM	23.3	26.3	4.9	45.5	110.8	110.8	13.43	11.07	-0.18	-0.17	-19.66
GEW-039	6/24/2020 10:50:13 AM	22.8	25.4	5.0	46.8	110.0	110.0	28.36	26.25	-0.17	-0.17	-19.32
GEW-039	6/24/2020 10:53:24 AM	22.9	25.6	4.9	46.6	110.0	109.7	24.72	23.27	-0.16	-0.16	-19.45
GEW-040	6/1/2020 10:57:00 AM	50.2	35.5	0.0	14.3	86.3	86.5	6.17	4.78	-0.39	-0.39	-13.35
GEW-040	6/8/2020 3:33:12 PM	52.8	34.5	0.1	12.6	104.8	104.8	6.65	7.18	-0.28	-0.28	-12.68
GEW-040	6/8/2020 3:39:30 PM	53.0	33.8	0.1	13.1	104.8	104.8	10.15	6.65	-0.28	-0.27	-13.02
GEW-040	6/15/2020 10:05:14 AM	49.0	35.8	0.0	15.2	88.4	88.5	10.66	10.66	-0.36	-0.37	-13.10
GEW-040	6/15/2020 10:06:33 AM	49.2	34.9	0.0	15.9	88.8	88.8	6.74	5.51	-0.15	-0.15	-13.10
GEW-040	6/22/2020 2:05:58 PM	61.2	35.4	0.0	3.4	97.0	97.2	9.07	9.06	-0.05	-0.03	-13.35
GEW-040	6/22/2020 2:07:22 PM	61.7	34.9	0.0	3.4	98.8	98.9	7.71	7.71	-0.30	-0.30	-13.14
GEW-040	6/29/2020 9:23:12 AM	52.5	33.6	0.2	13.7	88.0	88.2	2.75	3.89	-0.39	-0.40	-13.40
GEW-040	6/29/2020 9:25:01 AM	52.5	33.5	0.2	13.8	88.3	88.4	6.06	5.87	-0.39	-0.38	-12.81
GEW-041R	6/1/2020 11:00:16 AM	55.6	36.6	0.0	7.8	85.7	85.7	7.31	6.76	-0.11	-0.11	-13.06
GEW-041R	6/8/2020 3:44:52 PM	54.8	35.8	0.0	9.4	98.4	98.4	22.01	19.69	-0.06	-0.05	-13.02
GEW-041R	6/8/2020 3:50:37 PM	54.7	35.3	0.0	10.0	97.9	97.8	12.81	10.22	-0.05	-0.04	-13.18
GEW-041R	6/15/2020 10:09:23 AM	50.4	36.0	0.0	13.6	92.6	92.6	9.89	9.89	-0.16	-0.16	-13.10
GEW-041R	6/15/2020 10:11:02 AM	50.3	36.7	0.0	13.0	92.7	92.7	9.16	9.10	-0.16	-0.16	-13.44
GEW-041R	6/22/2020 2:11:01 PM	52.8	35.5	0.0	11.7	93.1	93.1	8.23	6.72	-0.06	-0.06	-13.48
GEW-041R	6/24/2020 9:20:09 AM	53.0	35.8	0.0	11.2	93.4	93.4	8.22	7.75	-0.17	-0.17	-13.56
GEW-041R	6/24/2020 9:25:29 AM	53.2	35.6	0.0	11.2	93.9	93.9	9.88	9.09	-0.18	-0.19	-13.27
GEW-041R	6/29/2020 9:28:00 AM	52.2	35.0	0.0	12.8	93.9	94.0	9.09	8.67	-0.20	-0.20	-13.10
GEW-042R	6/1/2020 11:03:26 AM	56.3	39.6	0.0	4.1	104.0	104.0	40.44	40.79	-3.19	-3.21	-12.64
GEW-042R	6/8/2020 3:54:43 PM	56.3	38.0	0.0	5.7	105.9	106.0	17.85	12.33	-3.21	-3.18	-13.18
GEW-042R	6/8/2020 4:00:58 PM	56.2	38.8	0.0	5.0	106.0	106.0	12.33	15.69	-3.09	-3.11	-13.56
GEW-042R	6/15/2020 10:13:50 AM	54.4	39.4	0.0	6.2	105.2	105.2	8.52	10.77	-3.14	-3.13	-12.76
GEW-042R	6/22/2020 2:13:52 PM	56.7	38.3	0.0	5.0	105.5	105.5	11.73	12.04	-3.21	-3.23	-13.10
GEW-042R	6/24/2020 9:29:01 AM	56.0	39.1	0.0	4.9	104.8	105.0	10.44	10.26	-3.01	-3.02	-12.22
GEW-042R	6/24/2020 9:34:52 AM	55.8	38.9	0.0	5.3	105.0	105.0	24.69	9.33	-3.05	-2.98	-13.77
GEW-042R	6/29/2020 9:30:55 AM	55.7	38.0	0.0	6.3	105.5	105.5	12.62	12.62	-3.29	-3.30	-13.65
GEW-043R	6/1/2020 11:07:16 AM	54.6	41.6	0.0	3.8	115.0	115.0	36.79	35.90	-1.11	-1.11	-13.40
GEW-043R	6/9/2020 8:14:36 AM	54.6	41.5	0.0	3.9	114.2	114.0	28.96	28.96	-0.54	-0.54	-13.65
GEW-043R	6/9/2020 8:20:17 AM	54.8	40.5	0.0	4.7	114.0	114.3	42.01	41.57	-0.59	-0.59	-13.40
GEW-043R	6/15/2020 10:16:47 AM	54.1	41.0	0.0	4.9	115.5	115.6	22.27	20.60	-1.23	-1.22	-13.56
GEW-043R	6/22/2020 2:18:04 PM	55.6	40.2	0.0	4.2	115.3	115.3	29.16	29.16	-0.81	-0.83	-13.94
GEW-043R	6/29/2020 9:34:41 AM	54.8	40.1	0.0	5.1	115.5	115.5	23.68	23.68	-1.27	-1.27	-13.40
GEW-044	6/1/2020 11:11:49 AM	47.5	36.8	0.0	15.7	84.4	84.5	1.16	1.17	-0.01	-0.01	-13.06
GEW-044	6/9/2020 8:29:00 AM	54.2	37.9	0.0	7.9	78.3	78.4	4.68	4.54	-0.08	-0.09	-13.10
GEW-044	6/9/2020 8:34:28 AM	54.3	37.8	0.0	7.9	79.1	79.2	4.22	4.68	-0.06	-0.06	-13.44
GEW-044	6/15/2020 10:19:54 AM	41.5	36.2	0.0	22.3	91.3	91.5	0.73	0.89	-0.40	-0.40	-13.10

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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	6/15/2020 10:21:01 AM	41.4	35.9	0.0	22.7	89.8	89.6	1.99	1.36	-0.18	-0.16	-13.44
GEW-044	6/22/2020 2:21:39 PM	48.3	36.3	0.0	15.4	88.6	88.4	1.71	2.06	-0.08	-0.05	-13.48
GEW-044	6/29/2020 9:39:57 AM	44.8	33.3	0.0	21.9	89.4	89.6	0.75	0.84	-0.20	-0.20	-13.14
GEW-045R	6/1/2020 11:17:47 AM	53.2	39.0	0.0	7.8	95.3	95.3	8.14	8.14	-3.90	-3.89	-13.31
GEW-045R	6/10/2020 9:00:47 AM	55.1	38.9	0.0	6.0	93.9	93.9	13.02	13.02	-3.93	-3.92	-13.02
GEW-045R	6/10/2020 9:07:06 AM	54.4	39.6	0.0	6.0	93.9	93.9	11.19	11.19	-3.98	-3.96	-13.14
GEW-045R	6/15/2020 11:06:21 AM	53.6	38.9	0.0	7.5	96.7	96.7	9.77	9.38	-3.93	-3.92	-13.40
GEW-045R	6/22/2020 3:00:35 PM	54.7	38.7	0.0	6.6	97.0	97.0	8.57	7.66	-3.72	-3.73	-13.56
GEW-045R	6/29/2020 10:16:52 AM	54.1	39.1	0.0	6.8	96.7	96.7	6.63	6.06	-3.95	-3.96	-13.14
GEW-046R	6/1/2020 10:14:37 AM	46.7	36.9	0.0	16.4	96.0	96.0	7.24	7.74	-0.19	-0.21	-13.06
GEW-046R	6/1/2020 10:16:08 AM	46.5	37.0	0.0	16.5	96.2	96.2	5.15	4.49	-0.21	-0.21	-13.06
GEW-046R	6/10/2020 9:10:44 AM	46.8	36.6	0.0	16.6	90.7	90.5	12.28	11.97	-0.38	-0.36	-13.14
GEW-046R	6/10/2020 9:17:18 AM	46.5	36.1	0.0	17.4	90.5	90.5	11.86	11.85	-0.46	-0.45	-13.14
GEW-046R	6/15/2020 11:09:27 AM	46.4	37.2	0.0	16.4	97.9	97.9	7.72	6.69	-0.24	-0.24	-13.10
GEW-046R	6/15/2020 11:12:01 AM	46.2	37.1	0.0	16.7	97.9	97.9	7.22	7.22	-0.22	-0.21	-13.10
GEW-046R	6/22/2020 3:04:16 PM	50.4	38.1	0.0	11.5	99.6	99.6	5.45	5.91	-0.02	-0.02	-13.48
GEW-046R	6/29/2020 10:20:09 AM	49.3	37.6	0.0	13.1	99.1	99.4	6.68	6.10	-0.20	-0.19	-13.14
GEW-046R	6/29/2020 10:21:25 AM	49.1	37.9	0.0	13.0	99.0	99.1	7.72	5.46	-0.16	-0.16	-13.14
GEW-047R	6/1/2020 11:38:47 AM	51.0	42.1	0.0	6.9	103.0	103.1	34.17	34.17	-0.12	-0.12	-13.40
GEW-047R	6/10/2020 10:46:20 AM	48.5	40.6	0.0	10.9	99.9	100.1	21.62	22.95	-0.51	-0.50	-13.14
GEW-047R	6/10/2020 10:52:58 AM	48.8	39.3	0.0	11.9	99.1	99.1	5.38	11.24	-0.35	-0.34	-13.14
GEW-047R	6/15/2020 11:36:27 AM	48.0	41.0	0.0	11.0	104.8	104.5	8.14	8.14	-0.15	-0.14	-13.23
GEW-047R	6/23/2020 8:27:30 AM	47.7	37.8	0.0	14.5	100.0	100.1	6.67	4.72	-0.40	-0.41	-13.10
GEW-047R	6/23/2020 8:29:17 AM	47.5	38.2	0.0	14.3	100.1	100.1	6.09	6.09	-0.41	-0.41	-13.40
GEW-047R	6/29/2020 10:43:37 AM	49.4	38.9	0.0	11.7	103.3	103.2	27.31	27.18	-0.14	-0.15	-13.10
GEW-047R	6/29/2020 10:45:15 AM	49.2	39.2	0.0	11.6	102.9	102.8	5.44	7.67	-0.11	-0.10	-12.97
GEW-048	6/1/2020 11:45:30 AM	54.4	40.1	0.0	5.5	97.4	97.4	14.45	14.45	-0.36	-0.36	-13.48
GEW-048	6/10/2020 11:31:03 AM	54.4	40.0	0.0	5.6	96.5	96.5	6.68	7.22	-0.92	-0.92	-13.82
GEW-048	6/10/2020 11:36:35 AM	54.5	39.4	0.0	6.1	96.5	96.5	41.75	40.85	-0.90	-0.90	-13.98
GEW-048	6/15/2020 11:44:42 AM	53.7	40.0	0.0	6.3	98.9	98.9	17.24	17.24	-0.47	-0.47	-13.82
GEW-048	6/23/2020 8:38:46 AM	53.4	38.3	0.0	8.3	97.5	97.5	6.10	6.68	-0.70	-0.73	-13.65
GEW-048	6/29/2020 10:53:13 AM	53.7	38.2	0.0	8.1	98.3	98.3	13.91	13.91	-0.44	-0.44	-13.23
GEW-049	6/1/2020 11:14:41 AM	50.2	38.4	0.0	11.4	91.2	91.2	30.59	24.57	-0.15	-0.14	-13.06
GEW-049	6/9/2020 8:42:47 AM	55.3	41.5	0.0	3.2	84.2	84.2	35.79	35.03	0.57	0.56	-13.10
GEW-049	6/9/2020 8:47:42 AM	55.3	40.7	0.0	4.0	84.2	84.2	18.15	7.83	0.33	0.29	-13.10
GEW-049	6/10/2020 8:04:55 AM	50.3	38.6	0.0	11.1	84.5	84.6	32.34	31.86	-0.35	-0.33	-13.14
GEW-049	6/15/2020 11:00:51 AM	46.4	36.2	0.0	17.4	94.6	94.4	7.25	7.25	-0.01	-0.01	-12.55
GEW-049	6/22/2020 2:54:19 PM	55.8	40.4	0.0	3.8	96.2	96.2	30.84	30.84	0.12	0.13	-13.48
GEW-049	6/22/2020 2:56:01 PM	55.6	40.7	0.0	3.7	96.2	96.2	6.12	5.47	0.14	0.14	-13.48
GEW-049	6/23/2020 8:22:53 AM	46.9	35.9	0.0	17.2	86.2	86.5	8.28	7.80	-0.26	-0.25	-13.10

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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	6/23/2020 8:24:23 AM	46.6	36.4	0.0	17.0	87.3	87.4	5.51	5.58	-0.26	-0.25	-13.10
GEW-049	6/24/2020 9:05:34 AM	49.1	37.9	0.0	13.0	91.0	91.2	28.69	28.43	-0.11	-0.11	-13.48
GEW-049	6/24/2020 9:12:43 AM	48.9	38.1	0.0	13.0	91.5	91.5	24.42	24.26	-0.08	-0.08	-13.14
GEW-049	6/29/2020 9:43:07 AM	46.8	36.1	0.0	17.1	94.8	94.8	9.08	9.08	-0.09	-0.09	-13.48
GEW-050	6/1/2020 9:48:27 AM	55.1	38.8	0.0	6.1	99.6	99.6	28.21	27.40	-0.11	-0.10	-4.97
GEW-050	6/8/2020 9:48:52 AM	57.1	38.8	0.0	4.1	102.3	102.3	31.60	29.04	-0.14	-0.12	-6.19
GEW-050	6/8/2020 9:55:07 AM	56.9	38.9	0.0	4.2	102.1	102.1	9.42	12.06	-0.11	-0.11	-6.40
GEW-050	6/15/2020 9:19:20 AM	53.9	38.3	0.0	7.8	100.7	100.6	39.92	39.74	-0.35	-0.35	-8.05
GEW-050	6/22/2020 11:09:21 AM	56.2	38.9	0.0	4.9	104.5	104.5	8.58	13.84	-0.14	-0.10	-8.38
GEW-050	6/24/2020 8:39:18 AM	54.9	38.5	0.0	6.6	101.6	101.6	8.41	5.02	-0.26	-0.26	-7.41
GEW-050	6/24/2020 8:49:31 AM	54.9	38.7	0.0	6.4	101.2	101.3	6.35	7.40	-0.29	-0.28	-6.95
GEW-050	6/29/2020 8:41:08 AM	55.1	36.7	0.0	8.2	100.8	100.8	11.22	13.88	-0.44	-0.42	-9.56
GEW-051	6/1/2020 10:07:54 AM	54.0	42.8	0.0	3.2	116.9	116.9	10.74	8.49	-0.23	-0.24	-13.31
GEW-051	6/8/2020 1:47:53 PM	56.2	40.7	0.0	3.1	120.5	120.6	10.37	9.65	-0.10	-0.07	-13.10
GEW-051	6/8/2020 1:53:48 PM	55.7	40.9	0.0	3.4	121.0	121.0	31.78	29.66	-0.09	-0.11	-13.10
GEW-051	6/15/2020 9:38:52 AM	54.3	42.2	0.0	3.5	118.4	118.4	10.02	8.47	-0.58	-0.56	-13.14
GEW-051	6/22/2020 11:28:32 AM	54.5	42.2	0.0	3.3	119.2	119.2	8.04	8.04	-0.17	-0.17	-13.14
GEW-051	6/29/2020 8:58:11 AM	54.1	40.8	0.0	5.1	118.6	118.5	28.97	27.96	-0.61	-0.64	-12.93
GEW-052	6/1/2020 9:51:50 AM	51.1	37.9	0.0	11.0	103.3	103.5	6.63	4.86	-0.02	-0.02	-13.48
GEW-052	6/8/2020 9:58:34 AM	53.2	38.2	0.0	8.6	108.3	108.4	7.66	8.56	0.07	0.07	-13.56
GEW-052	6/8/2020 10:05:43 AM	53.1	38.8	0.0	8.1	108.4	108.5	25.09	23.59	-0.07	-0.07	-13.44
GEW-052	6/15/2020 9:22:21 AM	49.6	37.3	0.0	13.1	106.0	106.2	26.98	26.98	-0.10	-0.11	-13.44
GEW-052	6/15/2020 9:23:41 AM	49.3	37.2	0.0	13.5	105.9	105.8	26.29	26.16	-0.07	-0.06	-13.48
GEW-052	6/22/2020 11:13:34 AM	53.7	39.4	0.0	6.9	110.3	110.2	17.70	15.65	-0.01	-0.02	-13.31
GEW-052	6/24/2020 8:56:48 AM	51.9	38.4	0.0	9.7	107.2	107.3	27.49	26.95	-0.09	-0.08	-13.65
GEW-052	6/24/2020 9:01:56 AM	51.8	38.1	0.0	10.1	107.1	107.0	9.77	10.14	-0.11	-0.08	-13.40
GEW-052	6/29/2020 8:43:46 AM	51.1	35.8	0.0	13.1	106.2	106.2	8.99	8.57	-0.10	-0.11	-13.82
GEW-053	6/1/2020 10:43:39 AM	50.2	43.3	0.0	6.5	138.9	139.0	9.50	8.74	-0.27	-0.26	-13.48
GEW-053	6/1/2020 10:44:49 AM	50.0	43.7	0.0	6.3	139.0	139.0	31.40	31.40	-0.25	-0.25	-13.06
GEW-053	6/8/2020 2:00:51 PM	51.5	42.0	0.0	6.5	142.9	142.5	30.30	30.41	-0.08	-0.06	-12.81
GEW-053	6/8/2020 2:08:22 PM	51.3	42.4	0.0	6.3	143.2	143.2	35.04	32.17	-0.12	-0.10	-13.18
GEW-053	6/15/2020 9:48:46 AM	50.7	42.8	0.0	6.5	141.3	141.6	22.61	23.79	-0.46	-0.48	-13.31
GEW-053	6/15/2020 9:50:26 AM	50.4	43.1	0.0	6.5	141.2	141.5	15.55	16.20	-0.48	-0.48	-13.14
GEW-053	6/22/2020 1:45:34 PM	50.7	41.6	0.0	7.7	143.1	142.9	10.83	9.47	-0.05	-0.05	-13.77
GEW-053	6/22/2020 1:48:37 PM	50.5	41.9	0.0	7.6	143.4	143.5	12.80	14.93	-0.03	-0.02	-13.44
GEW-053	6/29/2020 9:04:35 AM	50.4	41.0	0.0	8.6	143.2	142.9	15.52	13.63	-0.53	-0.55	-13.27
GEW-053	6/29/2020 9:05:47 AM	50.2	41.2	0.0	8.6	142.5	143.0	12.31	12.03	-0.57	-0.55	-13.35
GEW-054	6/1/2020 10:48:05 AM	52.9	43.8	0.0	3.3	145.6	145.6	53.86	51.11	-4.27	-4.30	-13.10
GEW-054	6/1/2020 10:49:11 AM	52.9	43.7	0.0	3.4	145.6	145.6	49.63	54.42	-4.35	-4.36	-13.02
GEW-054	6/8/2020 3:06:58 PM	53.0	41.7	0.0	5.3	146.3	146.3	51.13	40.06	-3.87	-3.70	-13.10

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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-054	6/8/2020 3:13:04 PM	52.7	42.3	0.0	5.0	146.3	146.3	42.91	45.87	-3.68	-3.68	-13.06
GEW-054	6/15/2020 9:53:22 AM	53.0	43.5	0.0	3.5	146.3	146.3	39.51	38.73	-4.15	-4.16	-13.82
GEW-054	6/15/2020 9:54:27 AM	52.9	43.8	0.0	3.3	146.3	146.3	50.47	50.47	-4.37	-4.37	-12.76
GEW-054	6/22/2020 1:53:47 PM	53.3	42.3	0.0	4.4	146.3	146.3	53.68	51.57	-4.00	-4.02	-14.24
GEW-054	6/22/2020 1:54:44 PM	53.3	42.4	0.0	4.3	146.3	146.3	56.11	62.53	-4.15	-4.08	-13.90
GEW-054	6/29/2020 9:09:38 AM	52.7	42.1	0.0	5.2	145.9	145.9	51.04	51.05	-4.14	-4.11	-13.86
GEW-054	6/29/2020 9:10:51 AM	52.7	42.2	0.0	5.1	145.9	145.9	54.66	54.59	-4.26	-4.27	-13.86
GEW-055	6/1/2020 10:53:54 AM	52.4	42.9	0.0	4.7	128.0	128.0	6.37	7.61	-0.73	-0.72	-13.48
GEW-055	6/8/2020 3:20:57 PM	51.5	42.2	0.0	6.3	130.0	130.3	7.51	9.72	-0.40	-0.38	-12.81
GEW-055	6/8/2020 3:27:23 PM	51.6	41.9	0.0	6.5	130.3	130.3	2.40	5.03	-0.42	-0.40	-12.68
GEW-055	6/15/2020 10:02:18 AM	52.8	42.6	0.0	4.6	129.4	129.7	6.53	6.26	-0.78	-0.78	-13.18
GEW-055	6/22/2020 2:03:04 PM	53.4	40.6	0.0	6.0	129.4	129.4	6.08	6.26	-0.47	-0.46	-13.40
GEW-055	6/29/2020 9:17:38 AM	52.9	40.6	0.0	6.5	130.6	130.6	7.26	4.79	-0.88	-0.87	-13.31
GEW-056R	6/1/2020 10:13:23 AM	46.2	43.0	0.0	10.8	105.8	105.6	6.00	5.57	-0.26	-0.26	-18.69
GEW-056R	6/10/2020 1:33:37 PM	46.8	42.6	0.0	10.6	100.6	101.0	4.05	2.51	-0.30	-0.31	-19.75
GEW-056R	6/10/2020 1:43:41 PM	47.0	42.5	0.0	10.5	99.5	99.5	2.98	1.95	-0.40	-0.41	-20.04
GEW-056R	6/15/2020 3:55:33 PM	42.3	41.8	0.0	15.9	121.7	121.8	3.97	4.12	-0.28	-0.28	-18.58
GEW-056R	6/24/2020 10:22:25 AM	45.0	42.8	0.0	12.2	108.4	108.2	6.71	6.34	-0.30	-0.30	-18.69
GEW-057B	6/8/2020 10:14:47 AM	5.2	53.9	0.1	40.8	158.1	158.1	3.45	1.81	-5.74	-5.74	-18.18
GEW-057B	6/8/2020 10:15:57 AM	4.8	55.3	0.0	39.9	157.7	157.3	2.41	3.30	-5.74	-5.74	-18.39
GEW-057B	6/19/2020 10:12:46 AM	4.4	53.3	0.1	42.2	162.0	162.4	3.75	3.61	-5.07	-5.07	-19.20
GEW-057B	6/19/2020 10:14:03 AM	4.2	54.7	0.2	40.9	162.9	162.9	3.87	3.87	-5.07	-5.07	-19.03
GEW-058A	6/8/2020 9:05:01 AM	10.1	36.9	0.2	52.8	120.2	120.7	1.60	2.20	-7.77	-7.77	-18.35
GEW-058A	6/25/2020 3:09:21 PM	10.5	37.6	1.3	50.6	129.4	129.4	8.64	5.17	-7.44	-7.44	-18.41
GEW-059R	6/8/2020 8:50:07 AM	13.6	38.5	0.0	47.9	113.5	113.0	3.92	3.92	-8.40	-8.40	-18.35
GEW-059R	6/25/2020 3:22:16 PM	14.5	41.0	0.0	44.5	146.3	146.3	4.80	4.91	-8.20	-8.20	-18.24
GEW-059R	6/25/2020 3:23:40 PM	14.5	40.6	0.0	44.9	146.2	145.9	4.29	4.52	-8.12	-8.12	-18.32
GEW-067A	6/3/2020 9:06:11 AM	16.2	52.6	0.0	31.2	195.7	195.7	6.05	5.18	-7.43	-7.43	-18.31
GEW-067A	6/3/2020 9:07:45 AM	16.5	51.7	0.0	31.8	195.8	195.7	6.52	6.56	-7.43	-7.43	-18.27
GEW-067A	6/17/2020 9:06:21 AM	13.9	51.5	0.0	34.6	186.4	186.4	14.72	13.23	-16.58	-16.66	-19.42
GEW-067A	6/17/2020 9:08:05 AM	13.7	52.0	0.0	34.3	185.1	185.1	9.83	10.01	-11.50	-11.50	-19.29
GEW-068A	6/15/2020 11:34:33 AM	18.6	46.0	0.1	35.3	180.9	181.0	39.61	39.24	-11.48	-11.48	-18.44
GEW-068A	6/15/2020 11:36:03 AM	17.7	44.2	0.1	38.0	181.0	181.1	37.53	36.77	-11.61	-11.61	-18.18
GEW-068A	6/23/2020 8:28:22 AM	18.4	48.0	0.0	33.6	190.2	190.2	33.73	32.91	-10.43	-10.43	-20.13
GEW-068A	6/23/2020 8:30:59 AM	17.4	47.7	0.0	34.9	190.2	190.2	37.11	37.15	-10.09	-10.09	-19.41
GEW-068A	6/24/2020 8:52:09 AM	1.1	54.0	0.1	44.8	194.4	194.3	14.73	12.83	5.61	5.61	-19.41
GEW-068A	6/24/2020 9:17:59 AM	1.0	53.9	0.0	45.1	200.1	200.1	2.83	4.09	0.92	0.92	-19.37
GEW-068A	6/24/2020 9:32:11 AM	1.0	50.5	0.0	48.5	200.9	200.9	28.16	28.14	-0.41	-0.41	-19.28
GEW-078R	6/5/2020 10:20:49 AM	11.2	31.3	0.0	57.5	154.4	154.4	23.18	23.22	-9.84	-9.84	-19.87
GEW-078R	6/5/2020 10:22:48 AM	11.3	30.9	0.0	57.8	154.4	154.4	22.78	22.85	-10.09	-10.09	-19.79

June 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-078R	6/17/2020 1:29:35 PM	10.7	27.6	0.0	61.7	157.7	157.8	22.58	22.49	-9.20	-9.20	-18.69
GEW-078R	6/17/2020 1:31:03 PM	10.6	29.0	0.0	60.4	158.1	158.1	22.57	23.54	-9.16	-9.16	-18.56
GEW-082R	6/5/2020 10:14:29 AM	8.7	36.7	0.0	54.6	172.7	172.6	0.98	1.71	-4.93	-4.93	-19.66
GEW-082R	6/5/2020 10:16:03 AM	8.8	36.1	0.0	55.1	172.6	172.9	2.20	1.39	-4.93	-4.93	-19.79
GEW-082R	6/17/2020 1:36:34 PM	8.9	34.0	0.0	57.1	173.6	173.1	1.39	1.70	-4.54	-4.54	-18.48
GEW-082R	6/17/2020 1:37:50 PM	8.8	33.8	0.0	57.4	173.6	173.6	4.72	3.68	-4.64	-4.63	-18.69
GEW-086	6/3/2020 9:16:17 AM	17.3	33.2	0.6	48.9	171.6	171.6	16.83	16.29	-0.54	-0.54	-18.18
GEW-086	6/3/2020 9:17:57 AM	17.6	33.3	0.6	48.5	171.6	171.6	2.19	2.09	-0.09	-0.10	-18.27
GEW-086	6/17/2020 8:56:21 AM	10.5	25.5	4.5	59.5	140.6	140.6	4.08	3.80	-0.45	-0.44	-19.21
GEW-086	6/17/2020 8:57:31 AM	10.6	25.5	4.5	59.4	140.5	140.4	2.58	3.50	-0.46	-0.46	-19.12
GEW-087	6/4/2020 10:55:12 AM	25.6	47.2	0.0	27.2	188.4	188.3	6.40	6.39	-2.86	-2.86	-19.66
GEW-087	6/4/2020 10:57:21 AM	26.6	45.3	0.0	28.1	187.8	187.2	6.21	6.25	-3.75	-3.74	-19.58
GEW-087	6/17/2020 10:34:48 AM	19.8	32.1	3.1	45.0	152.7	152.7	6.85	6.06	-9.64	-9.64	-18.11
GEW-087	6/17/2020 10:36:12 AM	22.7	32.3	3.3	41.7	152.5	152.5	5.55	4.76	-8.12	-8.12	-18.16
GEW-088	6/3/2020 9:22:16 AM	6.4	47.2	0.0	46.4	181.0	181.6	1.42	1.42	-0.50	-0.50	-17.89
GEW-088	6/3/2020 9:23:12 AM	6.3	48.2	0.0	45.5	182.1	181.5	1.03	1.35	-0.54	-0.54	-18.01
GEW-088	6/17/2020 9:00:40 AM	2.1	48.7	0.0	49.2	183.9	183.7	2.20	2.41	-0.97	-0.96	-19.08
GEW-088	6/17/2020 9:02:02 AM	2.0	49.6	0.0	48.4	183.9	179.2	2.95	3.26	-0.71	-0.73	-19.25
GEW-090	6/3/2020 8:55:39 AM	25.8	41.8	0.0	32.4	166.6	166.4	5.21	5.23	-10.22	-10.22	-18.22
GEW-090	6/3/2020 8:56:41 AM	25.9	41.5	0.0	32.6	167.1	166.7	5.47	4.29	-10.26	-10.26	-18.27
GEW-090	6/17/2020 8:41:29 AM	20.4	42.6	0.0	37.0	165.2	165.2	6.23	5.57	-11.59	-11.63	-19.46
GEW-090	6/17/2020 8:42:57 AM	20.4	43.2	0.0	36.4	165.2	165.2	3.62	3.62	-11.88	-11.92	-19.59
GEW-091	6/1/2020 10:31:04 AM	3.7	54.0	0.7	41.6	197.2	192.9	9.78	9.52	-15.28	-15.28	-18.60
GEW-091	6/1/2020 10:32:24 AM	4.0	52.4	0.4	43.2	197.9	195.2	10.69	10.56	-14.73	-14.73	-18.18
GEW-091	6/10/2020 2:54:20 PM	2.7	58.0	1.6	37.7	197.9	198.5	15.25	14.22	-13.53	-13.53	-19.71
GEW-091	6/10/2020 3:01:17 PM	2.8	61.0	1.2	35.0	198.6	197.9	9.89	12.34	-13.74	-13.74	-19.59
GEW-091	6/17/2020 9:24:47 AM	3.8	48.9	0.9	46.4	198.5	197.9	11.72	11.66	-13.42	-13.42	-18.65
GEW-091	6/17/2020 9:26:22 AM	3.5	52.3	1.0	43.2	197.9	197.9	11.55	11.56	-13.42	-13.42	-18.65
GEW-091	6/24/2020 2:25:55 PM	2.9	53.7	0.6	42.8	199.3	197.9	17.45	17.63	-12.49	-12.49	-18.86
GEW-091	6/24/2020 2:27:56 PM	3.0	52.4	0.5	44.1	199.3	197.9	16.15	16.15	-12.49	-12.49	-19.03
GEW-100	6/15/2020 11:43:41 AM	15.8	53.5	0.0	30.7	142.2	142.5	4.29	4.17	-2.23	-2.22	-18.22
GEW-100	6/15/2020 11:44:48 AM	14.6	57.7	0.0	27.7	142.2	142.2	5.00	4.42	-2.04	-2.04	-17.63
GEW-100	6/23/2020 8:42:56 AM	14.5	57.4	0.0	28.1	165.2	165.4	6.07	6.24	-0.56	-0.56	-19.75
GEW-100	6/23/2020 8:46:03 AM	14.0	58.9	0.0	27.1	165.7	165.7	8.17	6.19	-0.56	-0.56	-19.70
GEW-101	6/12/2020 2:25:15 PM	35.1	59.3	0.2	5.4	110.0	110.2	2.71	4.56	-0.11	-0.11	-17.00
GEW-101	6/25/2020 11:06:55 AM	35.9	63.1	0.0	1.0	99.2	99.4	5.31	5.31	-0.15	-0.15	-17.44
GEW-102	6/8/2020 1:47:18 PM	30.5	44.3	2.3	22.9	92.9	92.9	1.99	1.58	-15.62	-15.62	-18.27
GEW-102	6/25/2020 11:15:58 AM	23.6	43.6	2.6	30.2	95.8	96.2	1.74	1.23	-17.17	-17.25	-18.20
GEW-104	6/8/2020 10:06:46 AM	10.9	52.8	0.0	36.3	192.3	192.3	5.10	6.16	-3.06	-3.06	-18.22
GEW-104	6/8/2020 10:08:02 AM	10.3	54.4	0.1	35.2	192.9	192.3	6.16	4.21	-3.08	-3.08	-17.89

June 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-104	6/18/2020 2:52:39 PM	11.5	50.4	0.2	37.9	194.3	194.3	8.33	8.05	-3.27	-3.28	-18.65
GEW-104	6/18/2020 2:54:01 PM	11.1	50.4	0.2	38.3	194.3	194.3	6.82	6.89	-3.27	-3.27	-18.65
GEW-105	6/8/2020 10:02:08 AM	38.9	45.4	0.1	15.6	131.4	131.4	5.85	5.80	-7.77	-7.77	-17.29
GEW-105	6/8/2020 10:03:05 AM	39.3	44.9	0.1	15.7	131.4	131.4	8.45	9.37	-7.77	-7.77	-17.25
GEW-105	6/18/2020 3:01:21 PM	40.6	45.5	0.1	13.8	141.9	141.9	7.73	7.00	-5.78	-5.78	-17.59
GEW-105	6/18/2020 3:04:52 PM	41.0	45.2	0.1	13.7	141.9	141.9	6.71	6.77	-5.78	-5.78	-17.04
GEW-106	6/8/2020 9:53:59 AM	7.8	56.7	0.1	35.4	179.4	179.7	2.15	2.74	-0.17	-0.16	-18.69
GEW-106	6/8/2020 9:55:52 AM	7.2	57.5	0.0	35.3	180.7	180.7	1.77	1.72	-0.14	-0.13	-18.52
GEW-106	6/22/2020 9:28:32 AM	15.4	49.1	0.0	35.5	138.9	138.9	3.16	2.79	-1.98	-1.98	-18.79
GEW-106	6/22/2020 9:29:46 AM	15.2	50.3	0.0	34.5	139.5	139.0	3.33	3.33	-1.95	-1.95	-18.87
GEW-107	6/8/2020 8:57:16 AM	37.0	47.7	0.0	15.3	134.1	134.1	9.98	8.98	-1.09	-1.10	-18.27
GEW-107	6/8/2020 8:58:19 AM	37.0	48.2	0.0	14.8	134.1	134.1	7.00	7.44	-1.10	-1.09	-18.52
GEW-107	6/18/2020 3:06:41 PM	37.1	47.8	0.1	15.0	141.5	141.9	4.41	4.08	-1.09	-1.10	-18.73
GEW-107	6/18/2020 3:07:33 PM	36.8	48.6	0.1	14.5	141.9	141.9	13.37	9.63	-1.14	-1.14	-18.65
GEW-108	6/1/2020 2:35:45 PM	16.8	15.9	13.2	54.1	137.6	137.7	2.36	1.49	-0.20	-0.19	-19.03
GEW-108	6/1/2020 2:36:44 PM	16.7	15.8	13.4	54.1	136.9	137.1	1.49	1.83	-0.20	-0.21	-19.07
GEW-108	6/10/2020 2:42:47 PM	35.8	47.8	0.0	16.4	139.9	139.6	8.30	6.58	-1.10	-1.08	-19.76
GEW-108	6/10/2020 2:49:05 PM	36.6	48.2	0.0	15.2	143.2	143.2	14.06	12.53	-1.14	-1.15	-19.71
GEW-108	6/17/2020 9:45:19 AM	39.6	47.6	0.0	12.8	165.7	165.7	1.89	1.78	-2.82	-2.81	-18.60
GEW-108	6/17/2020 9:46:20 AM	40.0	45.6	0.0	14.4	165.7	165.7	2.45	3.32	-2.84	-2.83	-18.86
GEW-108	6/24/2020 11:45:22 AM	40.0	46.0	0.0	14.0	163.3	163.3	6.79	6.49	-2.63	-2.63	-18.39
GEW-108	6/24/2020 11:46:27 AM	40.2	46.1	0.0	13.7	163.3	163.3	6.64	6.25	-2.60	-2.60	-18.10
GEW-109	6/1/2020 2:43:07 PM	47.8	42.1	0.6	9.5	99.9	99.9	1.59	1.12	-1.85	-1.83	-19.49
GEW-109	6/10/2020 2:21:23 PM	44.0	43.0	0.9	12.1	86.5	86.6	3.99	3.99	-2.42	-2.42	-19.84
GEW-109	6/10/2020 2:28:03 PM	44.1	42.9	0.9	12.1	87.2	87.2	10.42	6.71	-2.51	-2.45	-20.01
GEW-109	6/17/2020 9:53:38 AM	41.7	41.3	0.6	16.4	101.8	101.9	2.50	2.95	-2.42	-2.41	-18.65
GEW-109	6/24/2020 11:43:05 AM	42.0	40.3	1.0	16.7	100.1	100.0	6.96	7.48	-2.26	-2.26	-18.69
GEW-110	6/1/2020 10:19:53 AM	43.2	46.9	0.0	9.9	96.5	96.7	6.51	6.41	-0.03	-0.03	-18.22
GEW-110	6/10/2020 2:03:32 PM	29.4	33.2	6.0	31.4	88.4	88.4	2.30	1.15	-0.06	-0.06	-20.04
GEW-110	6/10/2020 2:09:00 PM	29.8	33.2	6.0	31.0	89.6	89.6	2.81	1.99	-0.08	-0.08	-20.04
GEW-110	6/11/2020 4:08:00 PM	42.7	46.5	0.1	10.7	98.7	98.5	2.29	2.39	1.58	1.59	-18.58
GEW-110	6/11/2020 4:11:42 PM	45.3	46.0	0.1	8.6	109.0	109.0	4.30	4.30	-1.19	-1.19	-18.96
GEW-110	6/15/2020 3:47:35 PM	50.3	40.2	0.0	9.5	116.0	116.2	1.43	2.52	-1.47	-1.48	-18.62
GEW-110	6/24/2020 10:15:44 AM	40.7	48.0	0.0	11.3	111.2	111.2	7.05	7.13	0.47	0.48	-18.44
GEW-110	6/24/2020 10:17:24 AM	40.4	48.7	0.0	10.9	118.4	118.4	7.97	7.43	-0.74	-0.74	-18.82
GEW-113	6/4/2020 1:50:22 PM	26.0	59.9	0.1	14.0	179.7	179.7	8.78	8.61	-1.77	-1.77	-18.10
GEW-113	6/4/2020 1:51:21 PM	25.3	59.8	0.1	14.8	179.8	180.0	8.67	8.39	-1.76	-1.76	-18.18
GEW-113	6/17/2020 10:49:59 AM	24.3	61.6	0.6	13.5	179.7	179.7	9.20	9.67	-1.68	-1.64	-18.53
GEW-113	6/17/2020 10:51:15 AM	24.8	62.4	0.6	12.2	179.8	179.8	9.82	8.36	-1.63	-1.61	-18.62
GEW-116	6/5/2020 9:24:41 AM	24.2	50.7	0.9	24.2	150.6	150.6	15.28	15.07	-1.10	-1.09	-18.69

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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-116	6/5/2020 9:25:45 AM	24.9	49.5	0.9	24.7	150.6	150.6	15.45	15.24	-1.10	-1.08	-18.69
GEW-116	6/17/2020 11:20:02 AM	24.4	46.5	1.5	27.6	147.3	147.3	13.52	14.65	-1.92	-1.91	-17.76
GEW-116	6/17/2020 11:21:20 AM	24.9	46.2	1.5	27.4	147.7	147.4	14.79	14.98	-1.83	-1.84	-17.29
GEW-117	6/5/2020 10:37:36 AM	32.6	57.0	0.0	10.4	133.8	134.3	2.88	3.02	-16.12	-16.12	-19.66
GEW-117	6/5/2020 10:38:41 AM	33.2	57.6	0.0	9.2	135.1	135.3	4.88	3.05	-16.12	-16.12	-19.79
GEW-117	6/18/2020 2:04:52 PM	35.6	52.5	0.2	11.7	135.6	136.8	3.03	2.55	-15.20	-15.20	-18.73
GEW-117	6/18/2020 2:06:01 PM	35.3	53.6	0.1	11.0	137.1	137.7	3.53	2.48	-15.20	-15.20	-18.52
GEW-118	6/5/2020 1:52:57 PM	2.4	51.8	0.1	45.7	195.7	195.7	48.80	48.67	-2.68	-2.67	-18.82
GEW-118	6/5/2020 1:54:06 PM	2.3	55.0	0.1	42.6	195.7	195.7	49.03	48.86	-2.79	-2.79	-18.94
GEW-118	6/18/2020 2:16:42 PM	6.4	52.8	0.0	40.8	190.9	190.2	49.33	49.01	-4.54	-4.55	-18.73
GEW-118	6/18/2020 2:19:49 PM	6.9	51.1	0.0	42.0	189.6	188.9	47.74	47.75	-5.40	-5.40	-18.18
GEW-120	6/5/2020 10:41:32 AM	46.8	47.2	0.0	6.0	102.3	102.3	4.99	5.12	-1.91	-1.90	-20.04
GEW-120	6/24/2020 11:28:24 AM	48.2	51.4	0.0	0.4	105.7	106.0	1.93	6.79	-1.57	-1.57	-18.45
GEW-120	6/24/2020 11:29:48 AM	48.9	48.7	0.0	2.4	113.7	113.7	22.36	22.36	-8.79	-8.79	-19.00
GEW-121	6/5/2020 2:34:26 PM	37.1	52.5	0.1	10.3	153.3	153.5	3.68	3.82	-2.56	-2.55	-18.27
GEW-121	6/5/2020 2:35:37 PM	37.2	53.2	0.1	9.5	153.7	153.7	3.68	4.79	-2.55	-2.55	-18.56
GEW-121	6/17/2020 2:08:33 PM	37.4	52.7	0.0	9.9	150.8	150.6	3.98	2.30	-2.38	-2.36	-18.27
GEW-121	6/17/2020 2:09:42 PM	37.6	52.5	0.0	9.9	150.6	151.0	10.93	11.32	-2.50	-2.49	-18.35
GEW-122	6/5/2020 2:03:23 PM	39.7	37.1	0.0	23.2	114.5	114.5	5.24	5.76	-10.47	-10.47	-18.60
GEW-122	6/24/2020 2:13:50 PM	40.6	36.7	0.0	22.7	112.7	112.8	13.49	11.33	-9.81	-9.81	-18.20
GEW-123	6/5/2020 2:27:48 PM	32.6	56.1	0.1	11.2	105.6	105.6	4.15	4.96	-1.85	-1.85	-18.60
GEW-123	6/24/2020 2:05:12 PM	31.1	58.6	0.0	10.3	100.4	100.4	3.73	5.03	-1.89	-1.88	-18.96
GEW-124	6/5/2020 2:20:12 PM	47.4	40.9	3.0	8.7	90.5	90.5	0.32	0.40	-17.90	-17.90	-18.27
GEW-124	6/24/2020 2:10:03 PM	50.4	40.0	1.5	8.1	85.2	85.4	0.57	0.60	-18.94	-18.94	-18.79
GEW-125	6/10/2020 3:43:39 PM	31.4	41.0	0.0	27.6	76.8	76.8	5.18	6.30	-17.25	-17.25	-19.92
GEW-125	6/10/2020 3:45:23 PM	31.2	41.1	0.0	27.7	76.4	76.4	7.86	4.44	-12.05	-12.05	-19.92
GEW-125	6/24/2020 2:20:32 PM	39.2	44.3	0.0	16.5	95.0	95.3	3.11	3.81	-15.22	-15.22	-18.91
GEW-125	6/24/2020 2:22:10 PM	39.1	44.7	0.0	16.2	94.8	94.8	1.10	1.10	-13.53	-13.57	-18.87
GEW-126	6/10/2020 3:52:09 PM	25.6	55.4	0.0	19.0	75.5	75.5	4.44	9.31	-12.85	-12.85	-18.20
GEW-126	6/24/2020 2:33:22 PM	25.4	51.6	0.5	22.5	96.0	96.0	14.20	21.27	-11.16	-11.16	-17.69
GEW-127	6/11/2020 2:49:41 PM	18.0	51.0	0.4	30.6	109.5	109.5	8.90	9.57	-0.12	-0.13	-17.52
GEW-127	6/25/2020 10:26:40 AM	17.1	50.3	0.8	31.8	122.1	122.1	7.85	8.36	-0.13	-0.12	-18.49
GEW-129	6/11/2020 3:02:43 PM	38.3	53.5	0.1	8.1	126.7	126.7	23.85	24.07	-4.32	-4.31	-18.53
GEW-129	6/25/2020 3:46:46 PM	40.0	51.1	0.0	8.9	128.4	128.5	24.75	24.75	-4.23	-4.23	-18.20
GEW-130	6/11/2020 3:12:22 PM	24.2	45.8	0.0	30.0	156.5	156.5	16.36	10.55	-14.21	-14.21	-18.53
GEW-130	6/11/2020 3:14:08 PM	23.1	47.5	0.0	29.4	156.0	156.5	10.47	6.07	-12.22	-12.26	-17.99
GEW-130	6/22/2020 1:51:46 PM	24.6	46.0	0.0	29.4	152.5	152.1	9.58	9.59	-12.16	-12.16	-19.62
GEW-130	6/22/2020 1:54:14 PM	24.7	45.1	0.0	30.2	152.5	152.1	10.08	9.97	-12.49	-12.49	-18.94
GEW-131	6/11/2020 2:43:07 PM	42.6	45.8	0.0	11.6	130.4	130.6	1.85	2.38	-3.03	-3.03	-17.86
GEW-131	6/24/2020 2:29:26 PM	41.8	45.1	0.0	13.1	135.9	135.6	1.50	3.96	-2.30	-2.29	-18.91

June 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-131	6/24/2020 2:30:27 PM	41.9	45.1	0.0	13.0	135.7	135.9	12.47	10.73	-2.47	-2.46	-19.04
GEW-132	6/5/2020 1:57:08 PM	15.9	33.0	1.6	49.5	139.9	139.9	4.68	4.91	-1.79	-1.79	-18.65
GEW-132	6/5/2020 1:58:05 PM	16.3	31.7	1.6	50.4	140.8	140.6	4.31	4.43	-1.80	-1.81	-18.56
GEW-132	6/18/2020 2:08:38 PM	13.7	31.8	1.4	53.1	142.2	142.2	5.42	5.52	-1.56	-1.56	-18.56
GEW-132	6/18/2020 2:09:42 PM	13.3	31.2	1.4	54.1	142.2	142.2	5.42	5.42	-1.58	-1.57	-18.44
GEW-133	6/5/2020 10:08:15 AM	2.2	62.7	0.0	35.1	83.3	83.7	8.07	7.87	-11.40	-11.48	-20.97
GEW-133	6/24/2020 11:15:20 AM	8.2	42.7	0.0	49.1	157.7	158.1	6.37	7.90	-2.40	-2.42	-17.19
GEW-133	6/24/2020 11:16:41 AM	8.0	43.3	0.0	48.7	158.2	158.3	7.35	7.42	-2.40	-2.41	-18.20
GEW-134	6/5/2020 9:12:03 AM	7.8	39.0	0.1	53.1	92.6	92.5	1.97	1.61	-0.38	-0.38	-19.83
GEW-134	6/24/2020 11:12:18 AM	9.4	39.8	0.6	50.2	104.8	104.8	1.12	1.59	-0.29	-0.29	-18.70
GEW-135	6/4/2020 3:01:09 PM	13.7	53.7	0.0	32.6	131.4	131.7	24.10	24.55	-0.93	-0.96	-16.24
GEW-135	6/4/2020 3:02:22 PM	14.5	53.8	0.0	31.7	132.8	132.9	24.57	24.54	-0.97	-0.97	-17.63
GEW-135	6/17/2020 11:29:55 AM	12.0	55.8	0.0	32.2	128.3	128.6	26.28	26.31	-1.06	-1.06	-17.14
GEW-137	6/3/2020 3:15:03 PM	65.4	34.4	0.2	0.0	107.3	107.5	2.92	1.91	-2.78	-2.77	-18.31
GEW-137	6/24/2020 11:05:28 AM	39.7	41.4	0.1	18.8	97.7	97.9	1.60	1.13	-2.95	-2.96	-18.20
GEW-139	6/11/2020 3:40:46 PM	19.1	42.5	2.4	36.0	157.3	157.3	1.75	2.26	-6.85	-6.85	-18.28
GEW-139	6/11/2020 3:41:57 PM	18.8	41.2	3.0	37.0	157.7	157.3	2.85	1.75	-6.85	-6.85	-18.58
GEW-139	6/22/2020 1:43:07 PM	21.8	42.5	0.4	35.3	153.7	153.7	6.63	6.47	-6.75	-6.75	-19.11
GEW-139	6/22/2020 1:44:48 PM	21.8	44.6	0.3	33.3	153.7	154.0	7.00	7.00	-6.75	-6.75	-19.53
GEW-140	6/12/2020 1:43:37 PM	29.2	39.2	0.0	31.6	149.5	149.5	10.12	10.53	-4.82	-4.83	-16.53
GEW-140	6/12/2020 1:44:31 PM	29.0	40.3	0.0	30.7	149.7	149.9	10.67	10.52	-4.82	-4.82	-16.83
GEW-140	6/22/2020 2:27:03 PM	29.8	41.3	0.0	28.9	133.2	132.9	13.37	12.96	-4.83	-4.84	-18.35
GEW-140	6/22/2020 2:28:05 PM	30.0	41.8	0.0	28.2	133.8	134.1	13.36	13.27	-4.84	-4.84	-17.46
GEW-144	6/15/2020 11:28:56 AM	21.5	16.6	13.0	48.9	84.0	84.0	0.27	0.30	-9.12	-9.12	-18.01
GEW-144	6/15/2020 11:30:55 AM	21.3	16.1	13.1	49.5	83.7	83.7	0.33	0.30	-8.78	-8.78	-18.01
GEW-144	6/23/2020 8:38:40 AM	20.8	17.6	12.9	48.7	73.9	73.9	0.31	0.33	-10.05	-10.05	-19.37
GEW-144	6/23/2020 8:39:53 AM	21.4	17.9	13.7	47.0	73.4	73.4	0.58	0.61	-9.08	-9.08	-19.58
GEW-144	6/25/2020 10:58:49 AM	39.5	36.0	4.8	19.7	97.2	97.2	0.69	0.69	-14.88	-14.88	-18.53
GEW-145	6/8/2020 1:40:04 PM	31.6	40.5	1.9	26.0	100.9	100.8	1.87	3.74	-15.96	-15.96	-18.60
GEW-145	6/25/2020 2:23:30 PM	33.9	44.0	0.0	22.1	105.6	105.7	2.63	3.56	-17.59	-17.59	-18.28
GEW-147	6/4/2020 2:04:49 PM	34.0	48.2	1.0	16.8	165.1	165.0	14.39	14.76	-7.43	-7.43	-18.60
GEW-147	6/4/2020 2:05:48 PM	34.3	47.9	1.0	16.8	165.2	165.2	13.97	13.21	-7.43	-7.43	-18.52
GEW-147	6/17/2020 11:04:14 AM	41.1	50.5	0.7	7.7	163.2	163.2	12.63	11.47	-7.44	-7.44	-18.58
GEW-147	6/17/2020 11:05:17 AM	39.2	50.1	0.7	10.0	163.2	163.3	18.10	17.96	-7.10	-7.10	-18.28
GEW-148	6/4/2020 10:46:53 AM	36.4	53.3	0.0	10.3	157.4	157.3	2.25	2.25	-5.28	-5.28	-19.53
GEW-148	6/4/2020 10:48:48 AM	38.4	52.8	0.0	8.8	157.7	157.7	3.77	5.36	-5.28	-5.28	-19.79
GEW-148	6/17/2020 10:39:17 AM	32.6	54.6	0.0	12.8	162.9	162.9	17.58	13.26	-5.07	-5.07	-18.41
GEW-148	6/17/2020 10:40:26 AM	33.3	54.6	0.0	12.1	162.6	162.9	8.53	6.20	-5.07	-5.07	-18.24
GEW-149	6/3/2020 8:51:49 AM	14.2	25.4	0.0	60.4	90.0	90.1	2.59	2.59	-0.08	-0.09	-18.22
GEW-149	6/24/2020 10:28:05 AM	8.5	29.9	0.0	61.6	91.5	91.7	1.15	1.62	-0.09	-0.10	-18.28

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-150	6/8/2020 10:25:36 AM	28.0	44.6	1.3	26.1	175.4	175.3	13.17	13.17	-1.19	-1.19	-18.52
GEW-150	6/8/2020 10:27:48 AM	27.6	44.2	1.3	26.9	175.8	175.3	13.42	13.05	-1.19	-1.19	-18.35
GEW-150	6/18/2020 2:57:19 PM	27.1	45.5	1.4	26.0	176.4	175.8	13.80	13.63	-1.19	-1.19	-18.60
GEW-150	6/18/2020 2:59:00 PM	27.4	43.8	1.4	27.4	176.4	175.3	13.73	13.53	-1.17	-1.17	-18.56
GEW-151	6/3/2020 10:16:17 AM	17.6	43.8	1.3	37.3	99.9	100.1	4.34	4.65	-0.01	-0.02	-18.22
GEW-151	6/24/2020 10:31:49 AM	6.6	42.3	2.5	48.6	92.5	92.7	3.24	1.62	-0.06	-0.05	-18.74
GEW-152	6/8/2020 9:01:52 AM	23.9	49.0	0.0	27.1	104.8	104.8	2.14	1.84	-3.51	-3.51	-18.52
GEW-152	6/25/2020 3:19:31 PM	23.8	49.5	0.2	26.5	122.1	122.3	3.06	3.06	-3.14	-3.14	-18.66
GEW-153	6/8/2020 8:53:34 AM	23.2	31.2	0.0	45.6	122.6	122.6	6.95	8.06	-9.75	-9.75	-18.52
GEW-153	6/25/2020 3:26:25 PM	24.2	33.3	0.0	42.5	126.1	126.1	9.21	2.36	-9.47	-9.43	-18.41
GEW-156	6/8/2020 8:45:16 AM	34.7	42.2	0.1	23.0	114.5	114.5	1.42	2.46	-9.12	-9.12	-18.56
GEW-156	6/25/2020 2:47:31 PM	34.0	43.7	0.0	22.3	128.3	128.3	3.81	1.49	-7.74	-7.78	-18.62
GEW-157	6/8/2020 10:11:47 AM	30.5	39.4	2.9	27.2	103.8	103.8	2.27	1.98	-7.09	-7.09	-18.18
GEW-157	6/25/2020 2:56:38 PM	36.7	40.7	1.6	21.0	117.1	117.1	3.73	1.08	-8.12	-8.12	-18.24
GEW-158	6/8/2020 9:59:31 AM	27.5	46.6	0.0	25.9	117.3	117.3	2.25	2.25	-1.18	-1.19	-18.60
GEW-158	6/25/2020 3:05:19 PM	31.4	45.3	0.0	23.3	126.7	126.9	2.15	3.23	-1.21	-1.19	-18.11
GEW-160	6/1/2020 10:27:12 AM	25.2	36.9	0.5	37.4	90.7	90.9	1.60	1.13	-5.15	-5.15	-18.39
GEW-160	6/10/2020 2:45:18 PM	25.0	35.9	1.0	38.1	77.1	77.1	2.83	2.83	-6.42	-6.42	-19.87
GEW-160	6/10/2020 2:50:58 PM	26.2	37.0	0.4	36.4	76.8	76.8	3.47	3.27	-6.42	-6.42	-19.96
GEW-160	6/17/2020 9:22:50 AM	23.5	37.1	0.4	39.0	96.6	96.7	3.16	1.58	-5.99	-5.99	-18.82
GEW-160	6/24/2020 2:23:12 PM	23.4	35.3	0.9	40.4	89.3	89.3	14.33	14.55	-5.91	-5.91	-18.73
GEW-161	6/1/2020 10:23:38 AM	8.5	51.3	0.3	39.9	101.8	101.8	5.89	6.10	-3.42	-3.42	-18.39
GEW-161	6/10/2020 2:32:17 PM	6.3	50.0	1.7	42.0	97.0	97.2	3.88	3.88	-3.96	-3.96	-19.75
GEW-161	6/10/2020 2:38:54 PM	7.3	51.8	0.2	40.7	98.1	98.2	3.71	4.75	-4.11	-4.12	-19.83
GEW-161	6/17/2020 9:19:42 AM	5.9	51.2	0.3	42.6	107.7	107.9	1.56	2.20	-3.56	-3.56	-18.82
GEW-161	6/24/2020 2:20:54 PM	5.9	51.3	0.3	42.5	109.5	109.7	13.47	13.51	-3.34	-3.34	-18.90
GEW-162	6/1/2020 10:21:27 AM	16.0	59.7	0.0	24.3	87.0	87.0	6.66	5.71	-3.54	-3.54	-18.73
GEW-162	6/10/2020 2:21:59 PM	15.9	61.0	0.1	23.0	81.2	81.2	5.16	4.00	-3.74	-3.75	-20.08
GEW-162	6/10/2020 2:27:50 PM	15.8	59.7	0.1	24.4	81.9	81.9	4.47	3.82	-3.77	-3.76	-19.92
GEW-162	6/17/2020 9:17:16 AM	14.0	57.4	0.0	28.6	94.3	94.3	3.57	2.76	-3.66	-3.65	-18.82
GEW-162	6/24/2020 2:02:46 PM	15.6	57.2	0.1	27.1	90.8	90.8	13.88	14.07	-3.33	-3.32	-18.82
GEW-163	6/5/2020 2:30:35 PM	31.9	56.4	0.1	11.6	138.3	138.3	9.20	9.84	-7.09	-7.09	-18.44
GEW-163	6/5/2020 2:32:09 PM	32.0	56.4	0.1	11.5	138.2	138.3	8.87	6.96	-7.09	-7.09	-18.52
GEW-163	6/17/2020 2:01:13 PM	28.9	51.0	0.1	20.0	133.8	134.1	28.20	28.53	-4.83	-4.82	-18.65
GEW-163	6/17/2020 2:02:23 PM	28.7	50.9	0.1	20.3	133.8	133.8	19.62	19.94	-4.83	-4.82	-18.44
GEW-164	6/5/2020 2:23:16 PM	33.4	46.5	0.1	20.0	143.5	143.5	21.63	21.51	-0.84	-0.84	-18.01
GEW-164	6/5/2020 2:24:33 PM	33.1	46.9	0.1	19.9	143.5	143.2	16.80	18.39	-0.84	-0.85	-16.66
GEW-164	6/17/2020 1:57:46 PM	32.5	47.0	0.0	20.5	142.6	142.8	16.08	17.72	-0.68	-0.67	-18.60
GEW-164	6/17/2020 1:58:58 PM	33.0	46.7	0.0	20.3	142.5	142.6	19.70	17.88	-0.68	-0.68	-16.96
GEW-165	6/5/2020 2:15:51 PM	17.8	42.4	3.7	36.1	149.1	149.1	16.11	14.12	-0.24	-0.25	-18.86

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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-165	6/5/2020 2:16:58 PM	18.2	42.6	3.7	35.5	149.2	148.9	10.42	12.04	-0.22	-0.23	-18.48
GEW-165	6/17/2020 1:53:40 PM	16.8	42.6	3.4	37.2	148.0	148.0	9.21	9.31	-0.27	-0.26	-18.60
GEW-165	6/17/2020 1:54:53 PM	17.2	42.6	3.4	36.8	148.4	148.0	11.06	11.17	-0.29	-0.29	-18.77
GEW-166	6/5/2020 2:11:14 PM	8.8	44.0	2.4	44.8	168.6	168.6	15.52	14.64	-11.14	-11.14	-18.73
GEW-166	6/5/2020 2:13:02 PM	8.5	44.5	2.4	44.6	169.0	169.0	15.33	14.40	-11.14	-11.14	-18.44
GEW-166	6/17/2020 1:49:28 PM	8.7	47.7	0.8	42.8	171.0	171.0	11.05	11.55	-10.89	-10.89	-18.31
GEW-166	6/17/2020 1:50:58 PM	8.6	47.9	0.8	42.7	171.0	171.0	8.98	8.98	-10.89	-10.89	-18.60
GEW-167	6/5/2020 2:06:34 PM	15.3	47.1	0.1	37.5	150.6	150.8	3.21	2.87	-7.09	-7.09	-18.73
GEW-167	6/5/2020 2:07:25 PM	14.9	47.9	0.1	37.1	151.0	151.0	3.36	2.68	-7.09	-7.09	-18.48
GEW-167	6/17/2020 1:45:46 PM	14.3	45.9	0.0	39.8	152.9	153.3	3.20	2.87	-6.16	-6.16	-18.77
GEW-167	6/17/2020 1:47:11 PM	14.3	46.9	0.0	38.8	153.2	153.3	1.43	1.43	-6.16	-6.16	-18.60
GEW-168	6/10/2020 3:49:20 PM	39.9	54.0	0.3	5.8	89.6	89.6	12.54	11.29	-0.23	-0.22	-19.92
GEW-168	6/24/2020 2:25:38 PM	42.4	50.6	0.3	6.7	105.6	105.7	12.19	7.98	-0.19	-0.18	-18.79
GEW-169	6/11/2020 2:47:12 PM	21.0	47.2	0.7	31.1	127.6	127.5	14.26	11.46	-0.06	-0.04	-17.61
GEW-169	6/24/2020 2:38:47 PM	24.4	49.7	0.2	25.7	128.6	128.9	5.72	7.23	-0.02	-0.01	-18.74
GEW-170	6/11/2020 2:52:18 PM	12.8	40.7	2.4	44.1	141.2	141.5	5.60	4.33	-0.21	-0.22	-17.61
GEW-170	6/11/2020 2:53:23 PM	12.6	40.0	2.4	45.0	141.5	141.8	9.36	7.91	-0.25	-0.23	-17.61
GEW-170	6/22/2020 1:55:35 PM	11.7	39.5	2.4	46.4	139.9	140.2	18.50	18.67	-0.24	-0.23	-18.86
GEW-170	6/22/2020 1:57:33 PM	11.6	40.0	2.4	46.0	139.9	140.2	18.17	18.34	-0.23	-0.23	-18.73
GEW-171	6/15/2020 11:47:05 AM	24.2	52.4	2.1	21.3	91.0	91.0	2.93	2.71	-13.17	-13.17	-17.97
GEW-171	6/25/2020 10:40:38 AM	26.3	59.7	0.7	13.3	111.5	111.5	3.01	3.36	-16.19	-16.53	-18.53
GEW-172	6/15/2020 1:41:14 PM	22.6	42.0	1.5	33.9	157.7	157.7	2.38	2.38	-7.22	-7.22	-19.20
GEW-172	6/15/2020 1:42:33 PM	22.9	43.4	1.5	32.2	158.1	157.3	3.37	3.37	-7.22	-7.22	-19.07
GEW-172	6/23/2020 8:55:20 AM	23.9	45.4	0.8	29.9	155.6	154.4	10.44	10.57	-7.34	-7.34	-19.45
GEW-172	6/23/2020 8:58:09 AM	23.7	46.0	0.6	29.7	155.7	155.4	9.80	10.09	-7.39	-7.39	-19.58
GEW-174	6/12/2020 1:57:17 PM	12.9	33.8	0.1	53.2	125.3	125.1	3.59	3.59	-2.76	-2.75	-18.31
GEW-174	6/25/2020 2:43:09 PM	17.1	35.9	0.0	47.0	128.3	128.3	25.97	25.72	-1.92	-1.94	-18.53
GEW-175	6/8/2020 10:30:45 AM	30.6	37.2	2.6	29.6	136.2	136.1	35.62	34.72	-0.23	-0.23	-19.45
GEW-175	6/8/2020 10:31:50 AM	31.0	37.1	2.6	29.3	135.9	135.9	33.54	35.90	-0.21	-0.22	-19.24
GEW-175	6/19/2020 10:19:07 AM	29.3	37.5	2.4	30.8	136.5	136.5	34.68	33.95	-0.21	-0.21	-19.45
GEW-175	6/19/2020 10:20:47 AM	29.7	37.0	2.4	30.9	136.5	136.5	34.74	34.75	-0.23	-0.22	-18.90
GEW-177	6/11/2020 3:36:14 PM	13.8	52.0	0.1	34.1	162.4	162.4	9.85	16.42	-16.24	-16.24	-17.57
GEW-177	6/11/2020 3:37:23 PM	13.8	51.4	0.1	34.7	162.4	162.4	10.64	20.77	-16.24	-16.24	-17.57
GEW-177	6/22/2020 1:59:34 PM	11.7	45.4	2.4	40.5	168.7	168.5	18.48	18.82	-14.18	-14.18	-18.73
GEW-177	6/22/2020 2:00:48 PM	11.6	44.0	2.5	41.9	168.5	169.0	18.26	19.30	-14.18	-14.18	-16.96
GEW-178	6/8/2020 1:25:24 PM	42.7	42.5	1.4	13.4	101.3	101.4	2.24	1.59	-0.49	-0.49	-16.32
GEW-178	6/25/2020 2:35:21 PM	30.7	38.4	0.8	30.1	107.0	107.1	2.23	2.23	-0.63	-0.63	-18.53
GEW-179	6/8/2020 1:50:03 PM	51.7	43.4	0.4	4.5	103.0	103.0	8.54	8.24	-3.06	-3.07	-16.58
GEW-179	6/25/2020 11:13:19 AM	41.8	44.1	0.0	14.1	103.8	103.8	3.86	9.05	-3.65	-3.59	-18.49
GEW-180	6/12/2020 2:29:16 PM	33.7	56.7	1.1	8.5	100.8	101.3	5.40	4.58	-16.12	-16.12	-18.94

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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-180	6/25/2020 11:10:09 AM	34.5	62.0	0.7	2.8	100.0	100.1	5.09	5.09	-16.58	-16.58	-18.53
GEW-181	6/12/2020 2:22:03 PM	28.9	63.0	0.4	7.7	97.2	97.2	1.89	4.22	-15.41	-15.41	-18.82
GEW-181	6/25/2020 10:49:44 AM	27.1	69.0	0.0	3.9	100.0	100.7	9.45	15.68	-14.55	-14.21	-18.62
GEW-185	6/5/2020 10:48:07 AM	39.1	47.1	0.0	13.8	124.0	124.2	2.85	5.05	-1.45	-1.45	-19.53
GEW-185	6/24/2020 11:32:19 AM	41.4	50.5	0.0	8.1	119.7	119.7	5.12	5.45	-1.03	-1.04	-18.49
GEW-186	6/11/2020 2:56:26 PM	34.5	41.3	1.9	22.3	100.6	100.7	4.66	5.87	-0.04	-0.03	-17.57
GEW-186	6/24/2020 2:42:07 PM	28.1	37.4	2.2	32.3	101.8	101.8	3.74	3.57	-0.05	-0.05	-18.70
GEW-187	6/1/2020 2:40:15 PM	49.3	48.6	0.1	2.0	115.0	115.1	3.27	4.88	-2.05	-2.04	-18.99
GEW-187	6/10/2020 2:32:41 PM	44.6	51.3	0.0	4.1	108.8	109.0	9.34	5.31	-2.19	-2.20	-19.25
GEW-187	6/10/2020 2:38:38 PM	44.4	51.3	0.0	4.3	108.5	108.5	23.37	23.37	-2.19	-2.19	-19.38
GEW-187	6/17/2020 9:49:18 AM	44.7	49.7	0.0	5.6	115.5	115.5	7.71	7.47	-2.25	-2.23	-18.52
GEW-187	6/24/2020 11:48:58 AM	44.4	49.9	0.0	5.7	116.0	115.9	10.48	11.03	-2.20	-2.20	-18.35
GEW-217	6/8/2020 1:29:13 PM	39.3	42.5	1.4	16.8	98.9	98.9	4.39	4.22	-10.89	-10.89	-11.04
GEW-217	6/25/2020 2:31:28 PM	28.9	48.8	0.0	22.3	127.2	127.5	10.36	5.25	-18.27	-18.27	-18.32
GEW-218	6/8/2020 1:31:55 PM	28.3	42.3	2.1	27.3	122.9	122.9	9.67	9.42	-0.38	-0.38	-19.03
GEW-218	6/25/2020 2:27:56 PM	23.1	42.4	1.6	32.9	125.0	124.7	9.43	10.15	-0.53	-0.53	-18.70
GEW-220	6/8/2020 1:35:04 PM	29.1	53.3	0.1	17.5	182.7	182.7	8.88	9.29	-5.19	-5.19	-17.17
GEW-220	6/8/2020 1:35:56 PM	29.2	52.6	0.1	18.1	182.7	182.7	10.39	10.25	-5.19	-5.19	-16.83
GEW-220	6/22/2020 9:09:29 AM	27.2	54.4	0.0	18.4	185.7	185.7	5.97	12.10	-5.45	-5.41	-17.44
GEW-220	6/22/2020 9:10:46 AM	26.5	55.3	0.0	18.2	185.8	185.8	10.29	7.63	-5.50	-5.41	-17.40
GEW-221	6/12/2020 2:13:35 PM	29.9	53.7	0.4	16.0	109.2	109.2	5.53	6.57	-15.75	-15.75	-18.39
GEW-221	6/25/2020 11:01:10 AM	27.9	52.9	0.5	18.7	129.2	129.2	1.80	5.30	-13.91	-13.91	-18.53
GEW-222	6/15/2020 11:39:48 AM	41.4	40.6	0.2	17.8	91.5	91.5	1.93	4.02	-10.13	-10.13	-18.05
GEW-222	6/25/2020 10:43:48 AM	36.9	47.6	0.0	15.5	106.5	106.5	10.83	10.55	-8.96	-9.13	-18.20
GEW-223	6/15/2020 1:44:57 PM	34.3	59.3	0.0	6.4	138.5	138.3	3.46	3.46	-4.55	-4.55	-18.77
GEW-223	6/15/2020 1:47:19 PM	34.4	59.2	0.0	6.4	138.7	138.7	1.47	1.47	-4.53	-4.53	-19.11
GEW-223	6/23/2020 8:51:53 AM	34.9	58.9	0.0	6.2	128.6	128.6	5.52	4.08	-4.69	-4.69	-19.45
GEW-224	6/11/2020 3:27:48 PM	33.8	57.5	0.1	8.6	154.0	153.8	9.86	9.73	-12.85	-12.85	-17.57
GEW-224	6/11/2020 3:29:10 PM	34.2	58.8	0.1	6.9	153.7	153.3	9.64	9.57	-12.52	-12.39	-17.86
GEW-224	6/22/2020 2:03:10 PM	33.2	56.4	0.0	10.4	157.3	157.3	12.76	12.87	-12.49	-12.49	-19.07
GEW-224	6/22/2020 2:05:02 PM	33.6	56.6	0.0	9.8	157.3	157.3	12.37	12.87	-12.49	-12.49	-18.94
GEW-225	6/11/2020 3:32:23 PM	19.5	50.3	0.2	30.0	148.4	148.1	6.77	10.81	-8.12	-8.12	-17.31
GEW-225	6/11/2020 3:33:37 PM	19.2	51.9	0.2	28.7	148.0	148.4	8.11	9.69	-8.12	-8.12	-17.99
GEW-225	6/22/2020 2:06:20 PM	17.2	51.4	0.0	31.4	154.8	154.8	9.63	11.60	-6.42	-6.42	-19.28
GEW-225	6/22/2020 2:07:52 PM	16.8	52.1	0.0	31.1	155.2	155.6	11.77	11.81	-6.42	-6.42	-19.32
GEW-226	6/11/2020 3:45:14 PM	15.5	37.9	0.2	46.4	179.7	179.7	13.55	16.06	-3.26	-3.30	-19.29
GEW-226	6/11/2020 3:46:33 PM	15.4	37.9	0.1	46.6	180.3	180.3	10.56	8.83	-3.72	-3.83	-18.79
GEW-226	6/22/2020 1:47:20 PM	16.7	36.5	0.0	46.8	175.8	175.8	21.49	21.54	-3.25	-3.25	-19.70
GEW-226	6/22/2020 1:50:03 PM	16.5	35.3	0.0	48.2	175.9	175.8	21.51	21.74	-3.23	-3.22	-19.24
GEW-227	6/5/2020 9:15:18 AM	2.0	45.0	1.1	51.9	193.6	193.6	31.77	31.77	-0.10	-0.10	-19.45

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		(% vol)				°F		scfm		H ₂ O		
GEW-227	6/5/2020 9:16:16 AM	1.8	41.9	1.2	55.1	193.6	193.6	31.71	31.92	-0.11	-0.11	-19.32
GEW-227	6/17/2020 11:10:32 AM	4.0	45.9	0.5	49.6	192.3	192.3	38.97	38.42	-0.03	-0.02	-18.18
GEW-227	6/17/2020 11:11:42 AM	4.0	46.9	0.5	48.6	192.3	192.8	38.83	38.78	-0.02	-0.03	-18.18
GEW-228	6/3/2020 3:22:14 PM	30.0	45.5	0.0	24.5	196.4	196.4	1.36	1.36	0.10	0.11	-18.65
GEW-228	6/3/2020 3:24:55 PM	44.2	47.0	0.0	8.8	198.6	198.7	6.28	6.42	-0.04	-0.04	-18.82
GEW-228	6/17/2020 9:30:47 AM	4.0	16.6	11.2	68.2	177.5	177.5	5.53	8.01	-0.36	-0.35	-19.21
GEW-228	6/17/2020 9:32:02 AM	4.5	16.4	11.2	67.9	175.8	175.8	6.06	4.23	-0.13	-0.13	-19.38
GEW-229	6/3/2020 3:18:07 PM	28.1	21.3	3.5	47.1	122.5	122.6	2.86	1.88	-0.02	-0.01	-18.69
GEW-229	6/24/2020 11:00:32 AM	4.3	22.9	4.9	67.9	111.5	111.5	8.59	11.14	-0.08	-0.11	-18.45
GEW-230	6/3/2020 9:11:28 AM	3.7	20.1	4.2	72.0	163.3	163.3	5.64	7.23	-0.12	-0.13	-18.14
GEW-230	6/3/2020 9:12:33 AM	4.0	19.9	4.2	71.9	163.3	163.3	6.32	6.56	-0.14	-0.13	-17.97
GEW-230	6/17/2020 8:46:45 AM	0.4	18.5	5.6	75.5	162.9	162.7	8.63	8.81	-0.16	-0.15	-19.50
GEW-230	6/17/2020 8:48:01 AM	0.3	18.3	5.6	75.8	161.6	161.6	7.90	7.35	-0.10	-0.10	-19.55
GEW-230	6/29/2020 3:24:46 PM	1.8	28.3	1.7	68.2	159.4	159.4	1.02	5.32	-0.08	-0.08	-18.70
GEW-230	6/29/2020 3:25:54 PM	1.8	28.6	1.7	67.9	159.4	159.8	2.71	3.54	-0.07	-0.06	-18.87
GEW-232	6/4/2020 10:36:12 AM	44.0	56.0	0.0	0.0	170.5	170.1	8.09	8.51	-1.77	-1.78	-19.24
GEW-232	6/4/2020 10:38:02 AM	43.2	56.8	0.0	0.0	170.5	170.6	5.72	7.58	-1.77	-1.77	-19.49
GEW-232	6/17/2020 10:44:04 AM	43.6	56.4	0.0	0.0	167.6	167.6	1.74	6.36	-1.92	-1.90	-18.37
GEW-232	6/17/2020 10:45:37 AM	44.7	55.3	0.0	0.0	169.0	169.0	13.09	11.15	-2.59	-2.57	-19.12
GEW-233	6/4/2020 3:05:59 PM	16.0	40.8	0.6	42.6	139.3	139.6	4.82	1.82	-0.24	-0.24	-12.22
GEW-233	6/4/2020 3:08:35 PM	14.5	40.8	0.6	44.1	139.6	139.6	4.46	6.39	-0.18	-0.17	-10.61
GEW-233	6/17/2020 11:38:56 AM	5.0	54.7	0.0	40.3	102.2	102.6	3.73	7.03	-0.50	-0.53	-18.37
GEW-234	6/5/2020 1:48:11 PM	1.1	61.9	0.1	36.9	203.9	203.9	8.70	9.25	-0.38	-0.38	-18.77
GEW-234	6/5/2020 1:49:23 PM	1.5	55.5	0.1	42.9	203.9	203.9	8.75	8.27	-0.37	-0.37	-18.86
GEW-234	6/18/2020 2:12:29 PM	5.5	48.7	0.9	44.9	200.1	200.1	10.45	10.19	-0.38	-0.39	-18.73
GEW-234	6/18/2020 2:13:44 PM	5.2	49.1	1.0	44.7	200.1	200.1	10.19	9.78	-0.38	-0.39	-18.65
GEW-235	6/5/2020 2:38:30 PM	29.3	53.1	0.1	17.5	140.6	140.9	5.61	3.61	-3.32	-3.31	-18.77
GEW-235	6/5/2020 2:39:28 PM	29.4	53.6	0.1	16.9	138.3	138.7	2.56	3.14	-3.28	-3.29	-18.77
GEW-235	6/17/2020 2:04:31 PM	27.4	52.0	0.0	20.6	143.5	143.9	1.47	2.93	-3.12	-3.12	-18.60
GEW-235	6/17/2020 2:05:24 PM	27.3	52.5	0.0	20.2	143.7	143.7	1.47	2.32	-3.11	-3.10	-18.82
GEW-236	6/3/2020 11:29:59 AM	19.4	33.3	4.3	43.0	201.7	201.7	5.86	4.93	-0.79	-0.80	-18.05
GEW-236	6/3/2020 11:31:40 AM	24.0	33.2	4.3	38.5	201.8	201.7	2.67	3.55	-0.78	-0.79	-17.00
GEW-236	6/17/2020 9:34:56 AM	3.5	30.7	6.6	59.2	200.8	200.8	8.23	7.66	-0.89	-0.88	-18.66
GEW-236	6/17/2020 9:36:27 AM	3.4	31.4	6.5	58.7	200.8	200.9	1.66	7.42	-0.49	-0.49	-19.21
GEW-236	6/29/2020 3:43:05 PM	1.5	53.3	0.2	45.0	203.9	203.9	32.57	27.42	-1.73	-1.69	-18.45
GEW-236	6/29/2020 3:44:14 PM	1.4	54.2	0.2	44.2	203.9	203.9	25.78	23.66	-1.31	-1.35	-17.86
GEW-237	6/8/2020 2:48:19 PM	47.2	43.5	1.7	7.6	151.3	151.0	8.19	8.76	-0.13	-0.13	-18.94
GEW-237	6/8/2020 2:49:12 PM	47.1	43.1	1.7	8.1	151.0	151.2	14.11	11.49	-0.13	-0.13	-18.90
GEW-237	6/22/2020 9:23:12 AM	33.7	43.3	2.2	20.8	153.3	153.7	8.58	11.92	-0.08	-0.10	-18.87
GEW-237	6/22/2020 9:24:21 AM	33.9	42.6	2.2	21.3	153.7	153.7	10.98	7.73	-0.11	-0.11	-19.88

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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-238	6/4/2020 1:54:49 PM	32.7	60.1	0.0	7.2	180.3	180.4	19.45	19.33	-1.48	-1.49	-18.10
GEW-238	6/4/2020 1:56:18 PM	33.3	59.9	0.0	6.8	180.3	180.3	16.40	16.33	-1.67	-1.68	-18.39
GEW-238	6/17/2020 10:54:13 AM	31.3	65.8	0.0	2.9	188.9	188.9	11.43	4.01	-1.44	-1.47	-17.86
GEW-238	6/17/2020 10:56:55 AM	35.5	64.5	0.0	0.0	189.6	189.6	27.85	29.02	-1.87	-1.86	-17.48
GEW-239	6/3/2020 9:00:28 AM	3.7	50.4	0.3	45.6	201.6	201.6	5.48	5.53	-0.45	-0.45	-17.84
GEW-239	6/3/2020 9:01:29 AM	3.6	51.4	0.3	44.7	201.7	201.8	6.10	4.47	-0.45	-0.45	-17.67
GEW-239	6/17/2020 8:36:22 AM	0.6	17.5	13.2	68.7	180.3	180.4	11.53	10.04	-1.97	-1.95	-19.38
GEW-239	6/17/2020 8:37:42 AM	0.4	17.7	13.2	68.7	178.0	178.0	9.24	8.46	-1.35	-1.35	-19.50
GEW-239	6/29/2020 3:29:47 PM	1.3	59.0	0.1	39.6	200.1	200.1	5.17	7.05	-0.22	-0.23	-18.79
GEW-239	6/29/2020 3:30:29 PM	1.3	58.4	0.1	40.2	200.8	200.2	9.20	5.67	-0.21	-0.20	-18.83
GEW-240	6/12/2020 1:49:45 PM	5.1	15.3	9.2	70.4	165.7	165.7	9.44	10.16	-0.59	-0.58	-18.48
GEW-240	6/12/2020 1:51:33 PM	4.5	14.3	9.3	71.9	164.7	164.3	8.25	7.88	-0.44	-0.44	-18.60
GEW-240	6/22/2020 2:19:22 PM	5.3	16.7	8.5	69.5	158.1	157.7	19.54	19.53	-1.20	-1.19	-16.19
GEW-240	6/22/2020 2:21:50 PM	5.2	16.0	8.5	70.3	157.7	157.7	10.34	9.61	-0.76	-0.75	-15.86
GEW-25	6/1/2020 11:27:13 AM	62.6	37.2	0.0	0.2	83.8	83.8	8.30	6.78	-0.01	-0.01	-13.06
GEW-25	6/1/2020 11:29:28 AM	62.8	36.9	0.0	0.3	83.8	83.8	23.96	23.96	-0.09	-0.09	-13.40
GEW-25	6/10/2020 9:54:51 AM	62.7	37.1	0.0	0.2	76.6	76.6	12.75	12.75	-0.35	-0.35	-13.14
GEW-25	6/10/2020 10:01:10 AM	62.5	37.0	0.0	0.5	76.4	76.4	14.81	12.86	-0.31	-0.33	-13.14
GEW-25	6/15/2020 11:17:59 AM	61.5	37.8	0.1	0.6	90.1	90.1	8.69	10.28	-0.44	-0.44	-13.27
GEW-25	6/15/2020 11:19:07 AM	61.5	37.8	0.1	0.6	90.1	90.1	9.91	9.91	-0.50	-0.50	-13.10
GEW-25	6/25/2020 2:08:02 PM	57.3	37.2	0.0	5.5	97.8	98.9	10.45	10.85	-2.52	-2.55	-13.18
GEW-25	6/29/2020 10:25:52 AM	55.3	32.0	2.5	10.2	88.4	88.6	7.50	7.85	-11.46	-11.54	-13.14
GIW-01	6/1/2020 1:30:13 PM	33.5	53.3	0.2	13.0	142.2	142.5	4.91	5.01	-0.56	-0.54	-17.93
GIW-01	6/1/2020 1:31:13 PM	33.9	54.7	0.1	11.3	142.5	142.5	3.31	2.56	-0.57	-0.57	-17.63
GIW-01	6/10/2020 9:16:22 AM	32.8	51.8	0.4	15.0	130.9	131.1	5.86	5.95	-1.20	-1.21	-19.62
GIW-01	6/10/2020 9:21:44 AM	32.6	51.7	0.2	15.5	132.8	132.6	7.29	7.30	-1.23	-1.22	-19.62
GIW-01	6/17/2020 8:39:40 AM	33.1	48.7	0.2	18.0	142.2	142.2	4.67	5.81	-1.16	-1.16	-18.39
GIW-01	6/17/2020 8:41:13 AM	33.0	51.4	0.1	15.5	142.2	142.2	6.44	5.81	-1.17	-1.16	-18.52
GIW-01	6/24/2020 9:39:45 AM	32.5	53.6	0.1	13.8	138.3	138.3	9.51	9.63	-0.51	-0.50	-17.42
GIW-01	6/24/2020 9:40:51 AM	32.6	54.0	0.0	13.4	138.3	138.3	9.45	9.69	-0.52	-0.53	-17.76
GIW-02	6/1/2020 1:33:33 PM	16.3	56.9	0.0	26.8	84.7	84.8	4.77	4.33	-0.35	-0.34	-18.94
GIW-02	6/10/2020 9:26:08 AM	15.6	48.4	0.4	35.6	74.7	74.6	0.99	0.65	-0.57	-0.56	-20.34
GIW-02	6/10/2020 9:31:56 AM	15.7	52.4	0.1	31.8	75.3	75.3	2.55	3.05	-0.55	-0.53	-20.30
GIW-02	6/17/2020 8:43:42 AM	12.7	41.0	0.7	45.6	86.8	87.0	1.63	1.63	-0.47	-0.46	-19.49
GIW-02	6/24/2020 9:43:47 AM	10.5	49.5	0.9	39.1	82.3	82.6	7.03	7.41	-0.32	-0.33	-18.44
GIW-03	6/1/2020 1:36:52 PM	26.7	44.2	0.1	29.0	86.1	86.1	1.60	1.13	-7.77	-7.77	-18.90
GIW-03	6/10/2020 9:35:38 AM	25.2	44.8	0.2	29.8	74.3	74.3	1.63	1.48	-8.78	-8.78	-20.21
GIW-03	6/10/2020 9:40:39 AM	25.9	43.9	0.2	30.0	74.2	74.2	1.90	1.90	-8.78	-8.78	-20.34
GIW-03	6/17/2020 8:46:31 AM	22.6	42.8	0.0	34.6	87.7	87.7	1.07	1.23	-9.33	-9.33	-19.41
GIW-03	6/24/2020 9:46:13 AM	22.5	43.2	0.2	34.1	88.2	88.2	7.10	7.01	-7.94	-7.94	-18.69

June 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-04	6/1/2020 1:38:21 PM	26.4	46.1	0.6	26.9	84.9	84.9	3.44	3.24	-3.91	-3.91	-18.94
GIW-04	6/10/2020 9:44:09 AM	25.1	47.7	0.4	26.8	75.0	75.0	4.31	3.62	-5.23	-5.23	-20.04
GIW-04	6/10/2020 9:49:52 AM	25.1	48.0	0.5	26.4	75.0	75.0	2.52	0.97	-4.97	-4.97	-20.30
GIW-04	6/17/2020 8:48:52 AM	24.0	44.6	0.8	30.6	90.9	91.0	3.39	3.39	-4.90	-4.89	-19.45
GIW-04	6/24/2020 9:48:15 AM	24.4	45.8	0.5	29.3	88.7	88.7	6.39	6.49	-4.53	-4.53	-18.73
GIW-05	6/1/2020 1:40:20 PM	0.7	1.2	20.3	77.8	87.9	87.9	0.00	0.00	-2.10	-2.09	-18.73
GIW-05	6/1/2020 1:41:17 PM	0.4	0.7	20.5	78.4	87.9	87.9	2.29	1.15	-2.12	-2.12	-18.77
GIW-05	6/10/2020 9:53:17 AM	4.3	7.4	17.6	70.7	75.0	75.1	1.52	1.52	-3.43	-3.43	-20.30
GIW-05	6/10/2020 9:59:40 AM	3.1	3.3	19.8	73.8	73.4	73.4	1.53	1.53	-3.45	-3.45	-19.96
GIW-05	6/17/2020 8:54:21 AM	28.6	37.2	2.5	31.7	96.5	96.5	1.59	1.59	-4.00	-3.99	-19.49
GIW-05	6/24/2020 9:54:54 AM	30.4	38.4	1.9	29.3	95.8	95.8	7.17	7.68	-3.84	-3.83	-18.52
GIW-06	6/1/2020 1:44:02 PM	39.3	40.3	0.1	20.3	88.9	88.9	3.64	3.30	-17.90	-17.90	-19.07
GIW-06	6/10/2020 11:07:05 AM	41.2	42.5	0.1	16.2	73.6	73.6	1.47	1.85	-19.59	-19.59	-20.68
GIW-06	6/10/2020 11:12:48 AM	40.6	43.5	0.1	15.8	73.6	73.5	0.94	1.85	-19.59	-19.59	-20.42
GIW-06	6/17/2020 8:57:14 AM	33.5	40.5	0.2	25.8	89.8	89.8	1.25	1.22	-18.78	-18.78	-19.49
GIW-06	6/24/2020 9:56:21 AM	36.4	42.5	0.1	21.0	87.3	87.2	7.20	7.53	-17.39	-17.39	-18.73
GIW-07	6/1/2020 1:45:37 PM	54.8	43.8	0.2	1.2	87.0	87.0	3.98	3.25	-1.70	-1.70	-18.94
GIW-07	6/10/2020 11:18:57 AM	51.7	42.6	0.7	5.0	74.0	74.1	4.94	3.66	-2.04	-2.03	-19.96
GIW-07	6/10/2020 11:24:44 AM	53.3	43.3	0.3	3.1	74.3	74.3	4.80	3.84	-2.19	-2.20	-19.96
GIW-07	6/17/2020 8:59:56 AM	49.8	43.2	0.3	6.7	90.3	90.5	3.42	1.61	-2.21	-2.20	-19.49
GIW-07	6/24/2020 9:58:17 AM	50.3	43.7	0.3	5.7	88.4	88.4	6.33	6.33	-2.39	-2.39	-18.44
GIW-08	6/1/2020 1:48:03 PM	48.8	42.7	0.0	8.5	91.7	91.9	1.61	1.61	-2.25	-2.25	-18.69
GIW-08	6/10/2020 11:28:27 AM	48.4	43.8	0.0	7.8	75.5	75.5	1.92	1.53	-2.70	-2.70	-19.96
GIW-08	6/10/2020 11:33:42 AM	48.4	43.8	0.1	7.7	75.2	75.1	4.92	3.83	-2.73	-2.72	-20.13
GIW-08	6/17/2020 9:02:17 AM	45.4	42.9	0.0	11.7	92.9	92.9	8.63	9.88	-2.75	-2.76	-19.24
GIW-08	6/24/2020 10:00:47 AM	45.8	43.3	0.0	10.9	91.2	91.2	6.40	7.16	-2.44	-2.43	-18.48
GIW-09	6/1/2020 1:49:54 PM	28.8	39.8	0.1	31.3	88.4	88.5	4.44	3.44	-0.91	-0.90	-18.94
GIW-09	6/10/2020 11:38:26 AM	27.6	40.1	0.6	31.7	74.1	74.1	1.93	0.98	-1.42	-1.42	-20.34
GIW-09	6/10/2020 11:44:27 AM	28.4	41.1	0.2	30.3	73.6	73.6	0.99	1.94	-1.42	-1.41	-19.96
GIW-09	6/17/2020 9:05:24 AM	25.2	38.9	0.0	35.9	93.9	94.1	1.13	1.13	-1.36	-1.36	-19.24
GIW-09	6/24/2020 10:03:26 AM	26.1	38.0	0.1	35.8	90.2	90.3	8.45	8.45	-1.26	-1.26	-18.35
GIW-10	6/1/2020 1:51:48 PM	28.6	33.0	0.0	38.4	89.8	89.8	3.01	3.01	-3.38	-3.38	-18.94
GIW-10	6/10/2020 10:16:58 AM	26.7	31.5	0.2	41.6	71.8	71.8	3.84	3.66	-4.06	-4.05	-20.25
GIW-10	6/10/2020 10:22:36 AM	26.8	32.6	0.0	40.6	71.8	71.8	4.94	3.04	-4.10	-4.09	-20.34
GIW-10	6/17/2020 9:06:53 AM	25.1	32.8	0.0	42.1	85.1	85.0	1.15	1.15	-3.91	-3.91	-19.15
GIW-10	6/24/2020 10:05:51 AM	25.0	33.4	0.0	41.6	89.2	89.3	8.71	8.64	-3.71	-3.71	-18.77
GIW-11	6/1/2020 1:54:33 PM	28.4	33.2	0.0	38.4	89.3	89.3	2.80	1.98	-1.97	-1.95	-15.39
GIW-11	6/10/2020 10:26:30 AM	27.6	34.3	0.0	38.1	71.6	71.6	0.99	2.96	-2.52	-2.52	-18.01
GIW-11	6/10/2020 10:32:15 AM	27.3	34.0	0.0	38.7	72.8	72.8	2.71	3.18	-2.58	-2.59	-18.18
GIW-11	6/15/2020 3:57:39 PM	24.1	34.6	0.1	41.2	98.0	98.1	2.70	2.45	-2.28	-2.27	-16.60

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GIW-11	6/24/2020 10:08:08 AM	24.2	32.7	0.2	42.9	88.0	88.0	7.20	6.33	-2.41	-2.40	-12.52
GIW-12	6/1/2020 1:57:07 PM	35.8	36.8	0.0	27.4	88.2	87.2	6.32	5.47	-0.29	-0.29	-19.03
GIW-12	6/10/2020 10:35:46 AM	35.2	37.6	0.1	27.1	73.1	73.1	4.04	2.82	-0.45	-0.45	-20.30
GIW-12	6/10/2020 10:40:44 AM	35.0	36.8	0.1	28.1	75.7	75.7	3.85	3.47	-0.45	-0.45	-20.13
GIW-12	6/15/2020 3:53:06 PM	30.3	36.4	0.0	33.3	97.2	97.2	2.36	1.72	-0.40	-0.40	-18.66
GIW-12	6/24/2020 10:10:22 AM	32.9	36.7	0.3	30.1	87.5	87.6	7.15	6.37	-0.39	-0.39	-18.52
GIW-13	6/1/2020 1:59:03 PM	51.1	43.7	0.0	5.2	88.6	88.6	3.03	3.24	-1.27	-1.27	-19.07
GIW-13	6/10/2020 10:44:03 AM	49.7	43.0	0.0	7.3	77.1	77.2	2.69	1.52	-1.76	-1.76	-18.94
GIW-13	6/10/2020 10:49:51 AM	50.1	42.7	0.1	7.1	76.3	76.3	3.65	3.65	-1.73	-1.73	-18.31
GIW-13	6/15/2020 3:50:37 PM	43.8	42.6	0.0	13.6	99.6	99.7	0.62	1.29	-1.55	-1.55	-13.23
GIW-13	6/24/2020 10:12:27 AM	46.4	45.1	0.0	8.5	86.8	86.8	5.71	6.77	-1.03	-1.02	-11.37
LCS-1D	6/3/2020 8:42:40 AM	58.2	37.5	1.0	3.3	88.9	88.6	0.77	0.96	-1.95	-1.94	-14.33
LCS-1D	6/25/2020 3:54:48 PM	56.0	40.3	0.6	3.1	104.0	104.0	2.96	2.96	-2.28	-2.28	-15.21
LCS-2D	6/12/2020 2:19:33 PM	52.6	38.1	0.6	8.7	99.4	99.6	7.99	6.98	-17.90	-17.90	-18.48
LCS-2D	6/25/2020 10:46:52 AM	55.9	43.9	0.0	0.2	105.0	105.0	9.64	4.28	-18.60	-18.60	-18.74
LCS-3D	6/8/2020 2:09:21 PM	38.4	61.5	0.1	0.0	148.4	148.0	12.80	5.64	-9.54	-9.54	-8.88
LCS-3D	6/8/2020 2:11:42 PM	38.1	61.8	0.1	0.0	148.0	147.7	4.18	8.30	-9.54	-9.54	-12.18
LCS-3D	6/22/2020 9:16:05 AM	30.4	66.2	0.0	3.4	155.3	155.2	16.00	8.45	-10.36	-10.66	-17.06
LCS-3D	6/22/2020 9:17:57 AM	30.4	66.6	0.0	3.0	155.2	155.2	34.47	25.45	-10.66	-10.49	-17.02
LCS-4B	6/4/2020 11:24:56 AM	20.9	14.1	15.8	49.2	94.4	94.4	3.18	1.59	-4.90	-4.89	-18.86
LCS-4B	6/4/2020 11:25:55 AM	19.0	14.0	16.2	50.8	93.6	93.6	2.52	1.13	-4.82	-4.81	-19.07
LCS-4B	6/17/2020 11:11:56 AM	22.1	18.5	15.1	44.3	92.8	92.9	7.67	7.42	-9.81	-9.81	-17.94
LCS-4B	6/17/2020 11:13:00 AM	20.6	18.4	15.4	45.6	93.3	93.4	10.24	7.42	-9.89	-9.81	-17.69
LCS-5A	6/1/2020 10:40:12 AM	57.2	41.9	0.0	0.9	90.0	90.1	8.00	8.00	-10.49	-10.49	-13.06
LCS-5A	6/8/2020 1:57:35 PM	57.8	40.6	0.0	1.6	99.4	99.5	9.45	9.08	-10.66	-10.66	-13.35
LCS-5A	6/15/2020 9:45:42 AM	56.9	42.3	0.0	0.8	92.0	91.9	7.02	13.26	-11.16	-11.16	-13.40
LCS-5A	6/22/2020 11:31:35 AM	57.1	42.3	0.0	0.6	91.2	91.0	7.53	13.30	-10.49	-10.49	-13.14
LCS-5A	6/29/2020 9:01:49 AM	56.7	40.5	0.0	2.8	92.4	92.3	6.50	5.96	-10.91	-10.87	-12.59
LCS-5B	6/1/2020 10:51:46 AM	54.4	43.8	0.0	1.8	129.4	128.9	12.41	10.83	-11.50	-11.50	-13.06
LCS-5B	6/8/2020 3:16:32 PM	53.9	42.4	0.0	3.7	134.7	134.7	9.55	19.73	-10.49	-10.49	-12.55
LCS-5B	6/8/2020 3:17:23 PM	54.0	42.4	0.0	3.6	133.0	132.9	6.53	13.52	-11.16	-11.16	-12.97
LCS-5B	6/15/2020 9:58:21 AM	54.7	43.2	0.0	2.1	133.2	132.8	18.01	22.68	-10.15	-10.06	-13.06
LCS-5B	6/15/2020 10:00:03 AM	55.0	42.9	0.0	2.1	131.0	130.6	9.89	12.85	-11.97	-12.01	-13.10
LCS-5B	6/22/2020 1:58:49 PM	55.5	41.5	0.0	3.0	131.4	131.1	8.19	8.19	-12.18	-12.18	-13.56
LCS-5B	6/22/2020 2:00:41 PM	55.7	41.2	0.0	3.1	131.2	131.2	8.91	8.91	-11.84	-11.84	-13.48
LCS-5B	6/29/2020 9:14:01 AM	54.2	41.6	0.0	4.2	132.6	132.3	14.50	15.13	-11.88	-11.88	-13.14
LCS-5B	6/29/2020 9:15:15 AM	54.4	41.1	0.0	4.5	132.8	131.1	11.27	15.40	-12.98	-12.90	-13.14
LCS-6B	6/1/2020 11:36:33 AM	53.9	45.0	0.1	1.0	98.4	98.4	3.81	3.81	-0.49	-0.48	-13.44
LCS-6B	6/10/2020 10:43:30 AM	53.0	45.5	0.0	1.5	96.2	96.2	13.22	13.50	-1.09	-1.10	-12.97
LCS-6B	6/15/2020 11:33:55 AM	53.0	44.7	0.1	2.2	105.8	106.0	7.02	6.50	-0.97	-0.98	-13.06

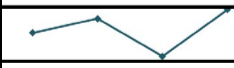
June 2020 Wellfield Monitoring Data - Bridgeton Landfill

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-6B	6/22/2020 3:21:23 PM	54.6	42.9	0.0	2.5	102.5	102.5	9.99	6.54	-0.77	-0.75	-13.40
LCS-6B	6/29/2020 10:13:50 AM	54.4	42.1	0.0	3.5	103.5	103.4	3.77	3.77	-0.87	-0.90	-13.10
SEW-002	6/11/2020 3:09:18 PM	39.5	46.2	1.3	13.0	97.7	97.9	1.91	1.91	-12.52	-12.52	-12.47
SEW-002	6/25/2020 10:33:16 AM	45.5	37.0	2.2	15.3	106.5	106.6	1.53	1.53	-12.85	-12.56	-12.81
SEW-003	6/4/2020 10:52:11 AM	18.7	50.1	0.0	31.2	89.1	89.1	8.67	8.75	-0.01	-0.01	-19.62
SEW-003	6/24/2020 10:46:35 AM	3.3	45.9	2.1	48.7	95.0	94.9	0.63	3.39	-0.05	-0.04	-18.66
T-56	6/1/2020 11:50:55 AM	50.2	37.2	0.0	12.6	73.1	73.0	11.86	13.40	-0.02	-0.02	-12.59
T-56	6/10/2020 11:48:56 AM	50.8	37.7	0.2	11.3	72.0	72.4	15.61	15.93	-0.02	-0.02	-13.77
T-56	6/15/2020 1:43:31 PM	43.2	33.3	0.1	23.4	80.4	80.0	13.96	15.28	-0.05	-0.05	-13.23
T-56	6/23/2020 8:43:43 AM	51.4	36.2	0.1	12.3	73.6	73.9	13.68	13.68	-0.03	-0.03	-13.65
T-56	6/29/2020 10:59:32 AM	50.4	36.0	0.1	13.5	78.9	78.9	10.76	11.79	-0.02	-0.02	-13.23

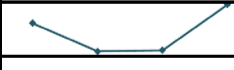
ATTACHMENT D-2

MAXIMUM WELLHEAD TEMPERATURE TABLE

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	March 2020	April 2020	May 2020	June 2020	><30°F	
GEW-002	111.3	112.6	109.1	109.8		
GEW-003	108.7	116.0	110.7	117.3		
GEW-004	108.7	112.4	110.0	113.1		
GEW-005	77.7	85.4	81.7	87.5		
GEW-006	78.6	86.1	81.9	89.1		
GEW-007	89.8	92.2	92.7	95.9		
GEW-008	111.5	113.2	112.3	113.7		
GEW-009	121.3	122.3	122.3	123.9		
GEW-010	95.6	92.6	99.7	108.3		
GEW-013A	191.6	188.3	188.9	190.7		
GEW-015	94.1	105.5	114.8	128.6		
GEW-016R	162.9	169.0	166.1	169.5		
GEW-018B	193.6	194.3	196.1	200.1		
GEW-019A	55.0	79.6	87.7	107.5		
GEW-039	107.5	106.0	108.5	110.8		
GEW-040	65.8	84.4	85.1	104.8		
GEW-041R	73.0	89.6	88.9	98.4		
GEW-042R	101.8	103.5	104.0	106.0		
GEW-043R	115.2	115.5	115.3	115.6		
GEW-044	68.4	81.9	71.8	91.5		
GEW-045R	90.1	94.6	92.2	97.0		
GEW-046R	87.2	99.6	94.6	99.6		
GEW-047R	99.1	104.4	98.4	104.8		
GEW-048	94.3	98.0	95.9	98.9		
GEW-049	73.6	88.4	80.0	96.2		
GEW-050	98.7	99.3	99.7	104.5		
GEW-051	118.9	117.6	117.8	121.0		
GEW-052	103.3	103.0	103.6	110.3		
GEW-053	142.4	142.5	142.2	143.5		
GEW-054	146.3	146.0	146.3	146.3		
GEW-055	127.3	128.0	128.3	130.6		
GEW-056R	102.3	110.1	112.0	121.8		
GEW-057B	86.8	164.3	142.5	162.9		
GEW-058A	127.8	117.6	104.3	129.4		
GEW-059R	128.3	139.3	110.2	146.3		
GEW-067A	200.1	199.3	192.3	195.8		
GEW-068A	192.9	191.7	182.7	200.9		
GEW-078R	152.5	151.3	153.3	158.1		
GEW-082R	173.5	171.6	171.0	173.6		


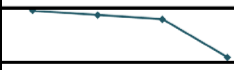
Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	March 2020	April 2020	May 2020	June 2020	><30°F	
GEW-086	182.7	187.9	162.9	171.6		
GEW-087	171.0	148.8	180.9	188.4		
GEW-088	194.3	181.9	181.3	183.9		
GEW-090	167.6	168.5	165.7	167.1		
GEW-091	200.8	170.0	201.6	199.3		
GEW-100	190.5	174.2	159.4	165.7		
GEW-101	70.7	82.1	82.6	110.2		
GEW-102	72.3	79.4	74.1	96.2		
GEW-104	189.6	175.3	186.4	194.3		
GEW-105	125.6	123.4	124.5	141.9		
GEW-106	165.2	179.0	166.6	180.7		
GEW-107	120.7	137.1	122.9	141.9		
GEW-108	174.7	168.1	162.4	165.7		
GEW-109	91.8	85.6	103.0	101.9		
GEW-110	103.9	107.2	101.6	118.4		
GEW-113	175.8	178.6	177.5	180.0		
GEW-116	117.9	154.0	146.8	150.6		
GEW-117	146.6	143.9	124.7	137.7		
GEW-118	196.4	200.1	194.3	195.7		
GEW-120	65.3	102.8	108.5	113.7		
GEW-121	135.3	141.9	150.2	153.7		
GEW-122	96.7	90.8	109.5	114.5		
GEW-123	70.4	63.5	93.4	105.6		
GEW-124	54.2	57.0	78.9	90.5		
GEW-125	57.5	60.9	83.0	95.3		
GEW-126	58.9	57.8	86.1	96.0		
GEW-127	75.9	66.3	106.1	122.1		
GEW-128	--	--	--	--		Temporarily decommissioned
GEW-129	118.1	114.8	122.6	128.5		
GEW-130	154.4	155.6	155.7	156.5		
GEW-131	112.5	107.2	128.6	135.9		
GEW-132	125.8	133.8	135.5	142.2		
GEW-133	129.2	85.3	87.0	158.3		
GEW-134	60.4	91.0	97.2	104.8		
GEW-135	107.8	112.0	118.9	132.9		
GEW-137	75.2	81.9	90.4	107.5		
GEW-138	--	--	--	--		Temporarily decommissioned
GEW-139	149.9	158.5	161.1	157.7		

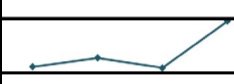
Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	March 2020	April 2020	May 2020	June 2020	><30°F	
GEW-140	124.5	120.5	139.6	149.9		
GEW-144	72.5	69.2	80.3	97.2		
GEW-145	63.9	81.4	79.8	105.7		
GEW-147	156.5	164.7	162.0	165.2		
GEW-148	152.5	159.0	154.8	162.9		
GEW-149	52.6	85.1	89.6	91.7		
GEW-150	168.5	171.5	176.6	176.4		
GEW-151	80.1	70.3	91.9	100.1		
GEW-152	88.1	110.2	91.7	122.3		
GEW-153	96.4	123.2	116.3	126.1		
GEW-154	--	--	--	--		Temporarily decommissioned
GEW-155	--	--	--	--		Temporarily decommissioned
GEW-156	94.1	105.2	109.2	128.3		
GEW-157	76.8	92.0	100.4	117.1		
GEW-158	94.6	101.1	110.5	126.9		
GEW-159	--	--	--	--		Temporarily decommissioned
GEW-160	78.2	95.8	91.0	96.7		
GEW-161	82.6	107.2	109.7	109.7		
GEW-162	75.4	95.5	91.2	94.3		
GEW-163	134.1	129.7	130.6	138.3		
GEW-164	148.4	142.5	143.2	143.5		
GEW-165	158.9	142.5	145.6	149.2		
GEW-166	169.5	170.0	166.6	171.0		
GEW-167	138.7	149.5	138.7	153.3		
GEW-168	118.4	89.6	106.5	105.7		
GEW-169	99.9	98.7	123.5	128.9		
GEW-170	121.8	123.9	136.5	141.8		
GEW-171	78.8	57.7	76.3	111.5		
GEW-172	149.9	154.1	152.1	158.1		
GEW-173	--	--	--	--		Temporarily decommissioned
GEW-174	118.9	116.0	118.7	128.3		
GEW-175	137.1	137.1	135.5	136.5		
GEW-176	--	--	--	--		Temporarily decommissioned
GEW-177	169.0	170.6	169.5	169.0		
GEW-178	74.1	77.1	84.7	107.1		
GEW-179	88.2	93.4	95.8	103.8		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	March 2020	April 2020	May 2020	June 2020	><30°F	
GEW-180	83.6	90.3	92.7	101.3		
GEW-181	78.0	83.5	79.7	100.7		
GEW-182	--	--	--	--		Temporarily decommissioned
GEW-184	--	--	--	--		Temporarily decommissioned
GEW-185	109.0	109.7	128.3	124.2		
GEW-186	94.1	69.9	95.5	101.8		
GEW-187	104.8	107.5	114.5	116.0		
GEW-188	--	--	--	--		Temporarily decommissioned
GEW-217	100.4	183.4	183.9	127.5		
GEW-218	105.5	101.1	114.0	125.0		
GEW-219	--	--	--	--		Temporarily decommissioned
GEW-220	185.7	187.8	181.5	185.8		
GEW-221	95.8	115.0	101.3	129.2		
GEW-222	81.2	79.4	79.3	106.5		
GEW-223	109.2	90.3	110.8	138.7		
GEW-224	154.8	151.7	152.1	157.3		
GEW-225	169.9	164.3	156.5	155.6		
GEW-226	180.4	178.7	178.0	180.3		
GEW-227	187.7	182.6	193.6	193.6		
GEW-228	192.3	197.2	190.2	198.7		
GEW-229	89.9	90.4	98.1	122.6		
GEW-230	158.5	163.4	164.9	163.3		
GEW-231	--	--	--	--		Temporarily decommissioned
GEW-232	168.5	168.5	165.2	170.6		
GEW-233	97.2	85.6	112.1	139.6		
GEW-234	199.8	200.8	204.7	203.9		
GEW-235	120.3	117.9	129.4	143.9		
GEW-236	207.0	205.4	201.1	203.9		
GEW-237	156.9	156.4	152.1	153.7		
GEW-238	196.4	198.6	191.1	189.6		
GEW-239	203.9	203.1	202.3	201.8		
GEW-240	205.4	201.5	197.9	165.7		
GEW-2S	67.5	86.4	71.4	98.9		
GIW-01	148.8	152.1	142.5	142.5		
GIW-02	84.2	105.4	93.1	87.0		
GIW-03	74.8	100.6	93.4	88.2		
GIW-04	75.2	103.0	90.1	91.0		

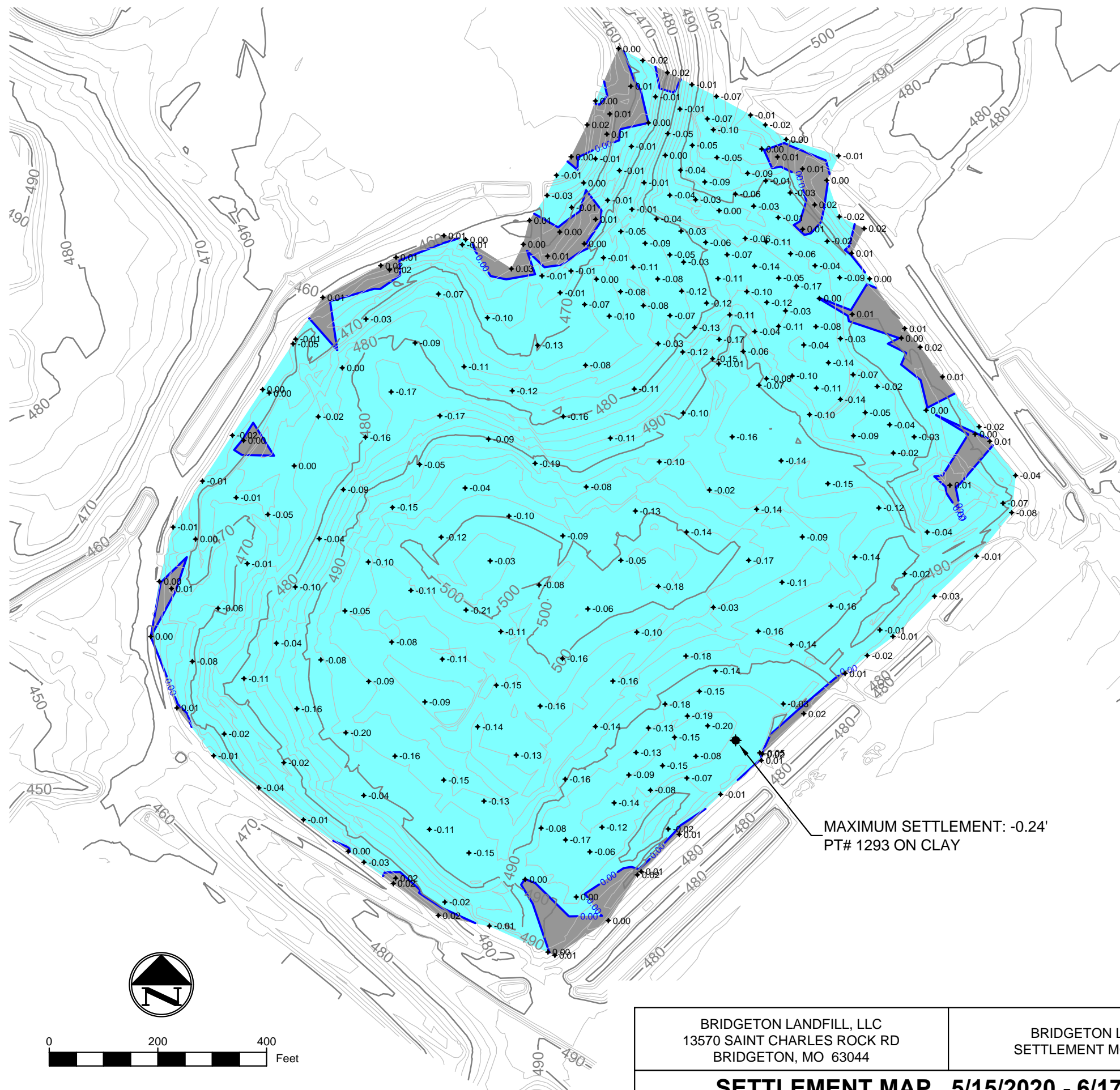
Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	March 2020	April 2020	May 2020	June 2020	><30°F	
GIW-05	76.4	102.8	96.0	96.5		
GIW-06	76.6	102.5	92.2	89.8		
GIW-07	74.1	102.3	90.8	90.5		
GIW-08	79.8	107.0	98.6	92.9		
GIW-09	74.3	98.3	91.2	94.1		
GIW-10	73.6	101.1	93.3	89.8		
GIW-11	75.2	99.1	92.9	98.1		
GIW-12	76.3	100.5	91.9	97.2		
GIW-13	75.5	100.1	94.1	99.7		
LCS-1D	53.6	79.8	85.6	104.0		
LCS-2D	69.4	77.5	78.9	105.0		
LCS-3D	125.6	131.4	124.9	155.3		
LCS-4B	67.2	63.5	85.5	94.4		
LCS-5A	81.7	90.3	92.5	99.5		
LCS-5B	132.6	133.2	130.3	134.7		
LCS-6B	99.8	107.7	91.3	106.0		
SEW-002	60.7	75.5	82.8	106.6		
SEW-003	58.7	82.8	95.6	95.0		
T-56	49.6	68.8	64.4	80.4		

-- = Indicates no data available.

ATTACHMENT E

SETTLEMENT FRONT MAP



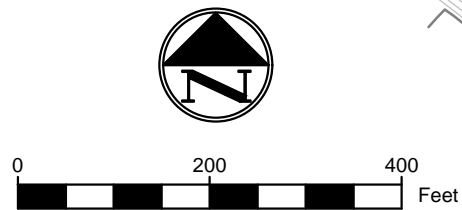
Thickness Map				
Range	Minimum Depth	Maximum Depth	2D Area (Sq. Ft.)	Color
1	-5.00	-4.00	0.00	Dark Blue
2	-4.00	-3.00	0.00	Medium Blue
3	-3.00	-2.00	0.00	Light Blue
4	-2.00	-1.00	0.00	Very Light Blue
5	-1.00	0.00	1,447,669.26	Cyan
6	0.00	1.00	84,779.25	Grey

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 (5-15-2020 to 6-17-2020)
 - 6-2020 *SETTLEMENT FRONT CONTOUR FOR AREA WITH 1.49' PER 33 DAYS FOR CURRENT PERIOD OF DAYS
- *NONE FOR JUNE 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 5-15-20 FROM SPOT ELEVATIONS SURVEYED ON 6-17-20.
4. SURVEY POINTS WERE PERFORMED USING GPS METHODS.
5. SETTLEMENT RANGE SURFACE WAS GENERATED FROM THE SPOT ELEVATION DIFFERENCES.
6. ELEVATION DIFFERENCES THAT ARE SHOWN AS NEGATIVE INDICATE SPOTS OF SETTLEMENT.
7. ANY POINTS THAT ARE NOT A GROUND-TO-GROUND COMPARISON TO THE PREVIOUS MONTH'S POINTS, OR THAT WERE NOT SURVEYED IN THE SAME LOCATION AS THE PREVIOUS MONTH ARE NOT INCLUDED AND WERE NOT USED IN ANY SURFACE GENERATION.



MAXIMUM SETTLEMENT: -0.24'
PT# 1293 ON CLAY

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 5/15/2020 - 6/17/2020		JUNE 2020 DESIGNED BY: PL APPROVED BY: DRF
PROJECT NUMBER: BT-145 FILE PATH: C:\Users\jira\Dropbox (Feezor Engineering)\Bridgeton\130-149BT-145 (Agreed Order Reporting)\Monthly Reports\2020\06-2020 Report\Internal Draft\Site Data\Settlement\Settlement And F... <small>6-17-2020.dwg</small>		REVISION DATE
		DRAWING NO.: <div style="font-size: 48pt; font-weight: bold; margin-top: 5px;">001</div>

ATTACHMENT F

LIQUID CHARACTERIZATION DATA AND DISCHARGE LOG

Bridgeton Landfill - Leachate PreTreatment Plant

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

Direct Discharge to MSD

Date	Waste	Source	Quantity (gal)
6/1/2020			186,344
6/2/2020			179,846
6/3/2020			180,145
6/4/2020			179,942
6/5/2020			183,230
6/6/2020			159,562
6/7/2020			94,700
6/8/2020			98,486
6/9/2020			92,894
6/10/2020			85,528
6/11/2020			109,710
6/12/2020			186,104
6/13/2020			182,172
6/14/2020			182,592
6/15/2020			161,598
6/16/2020	LPTP Permeate	Through Tank AST 97k (MSD Sampling Point 013)	68,846
6/17/2020			65,062
6/18/2020			111,164
6/19/2020			195,310
6/20/2020			191,388
6/21/2020			191,060
6/22/2020			184,122
6/23/2020			144,320
6/24/2020			88,038
6/25/2020			88,326
6/26/2020			86,240
6/27/2020			81,792
6/28/2020			88,132
6/29/2020			111,312
6/30/2020			200,196
Total			4,158,161

ATTACHMENT G

VOLUMES OF LEACHATE PROCESSED

Bridgeton Landfill - Leachate Volumes
June 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 1,788,066 gallons. Therefore, the total leachate collected was 3,149,894 gallons.

ID	Volume
LCS -1D	26
LCS-2D	0
LCS-3D	87,098
LCS-4B	0
LCS-5A	1,239,412
LCS-5B	32,576
LCS-6B	2,716