

Bridgeton Landfill, LLC

Monthly Data Submittals

April 2021

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

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Provided Separately:

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

May 20, 2021

Commentary on Data

May 20, 2021

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

Gas Volume

- As presented in Attachment A-1, the gas collection volumetric rate for this month averaged a total site flow of 1027 SCFM, as normalized per the MDNR weekly flow and TRS sampling results.

Gas Quality

- Attachments C and D present the monthly data related to gas quality as measured at the respective wellheads.
- Attachment D-1 presents vertical wells which exhibited oxygen levels at or greater than 5% during one (1) or more weekly monitoring events during this reporting period. These consisted of 19 GEW wells that are experiencing low or restricted flows, and 1 LCS well that exhibit low gas flow due to the cooling loops that are installed in these wells. By the end of the month, 13 of the GEW wells and 1 LCS well still exhibited oxygen levels at or greater than 5%. All of these wells are low-flow/vacuum sensitive wells with valves that are only slightly open. On-going tuning, maintenance, and pump operation are being performed to manage the oxygen content.
- Attachment D-2 presents gas temperatures as measured at the wellheads. Five (5) vertical wells (excluding GIW wells) increased by 30°F or more and one (1) decreased by 30°F or more during this reporting period. All wells that exhibited changes greater than 30°F are within the historical gas temperature norms for these wells or within the range of temperatures of nearby vertical wells.
- All gas wells in the North Quarry exhibited a maximum wellhead temperature less than 145°F during this reporting period. Carbon monoxide (CO) results were non-detect (ND) for North Quarry wells, with the exception of GEW-053 (59 ppm)
- Site personnel are performing a comprehensive wellfield investigation to optimize the landfill gas collection and control system (GCCS). Wells that have previously been decommissioned due to excessive moisture and/or dangerous conditions have been reviewed and monitored to determine if the wells have obstructions that would prohibit pump installation and would therefore preclude leachate and landfill gas collection. Wells with no identified downhole integrity issues and which are no longer exhibiting excessive moisture and/or dangerous conditions have been brought back online. Wells with no identified downhole integrity issues but which still exhibit excessive moisture and/or dangerous conditions will remain decommissioned until conditions at the location improve. Wells with poor gas quality were decommissioned in the latter half of 2020. This investigation will continue into the Second Quarter 2021. Wellfield

expansion and abandonment activities were reported in the quarterly Landfill Gas Corrective Action Update.

Settlement

- The South Quarry exhibited monthly maximum settlement up to 0.28 feet over 27 days during this reporting period (see Attachment E).
- The North Quarry exhibited quarterly maximum settlement up to 0.49 feet over 87 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.

Slip Failure or Separation Assessment

- On March 22, 2021, an inspection of the Bridgeton Landfill was performed by P.J. Carey of Feezor Engineering, Inc, to identify visual evidence of instability or incipient failure. This inspection included the north and south quarry fill areas. The findings of this inspection were discussed in a separate report which was submitted on April 30, 2021. A copy of the Slip Failure or Separation Assessment is included in Attachment H.

ATTACHMENT A

DAILY FLARE MONITORING DATA

ATTACHMENT A-1

FLOW DATA TABLE

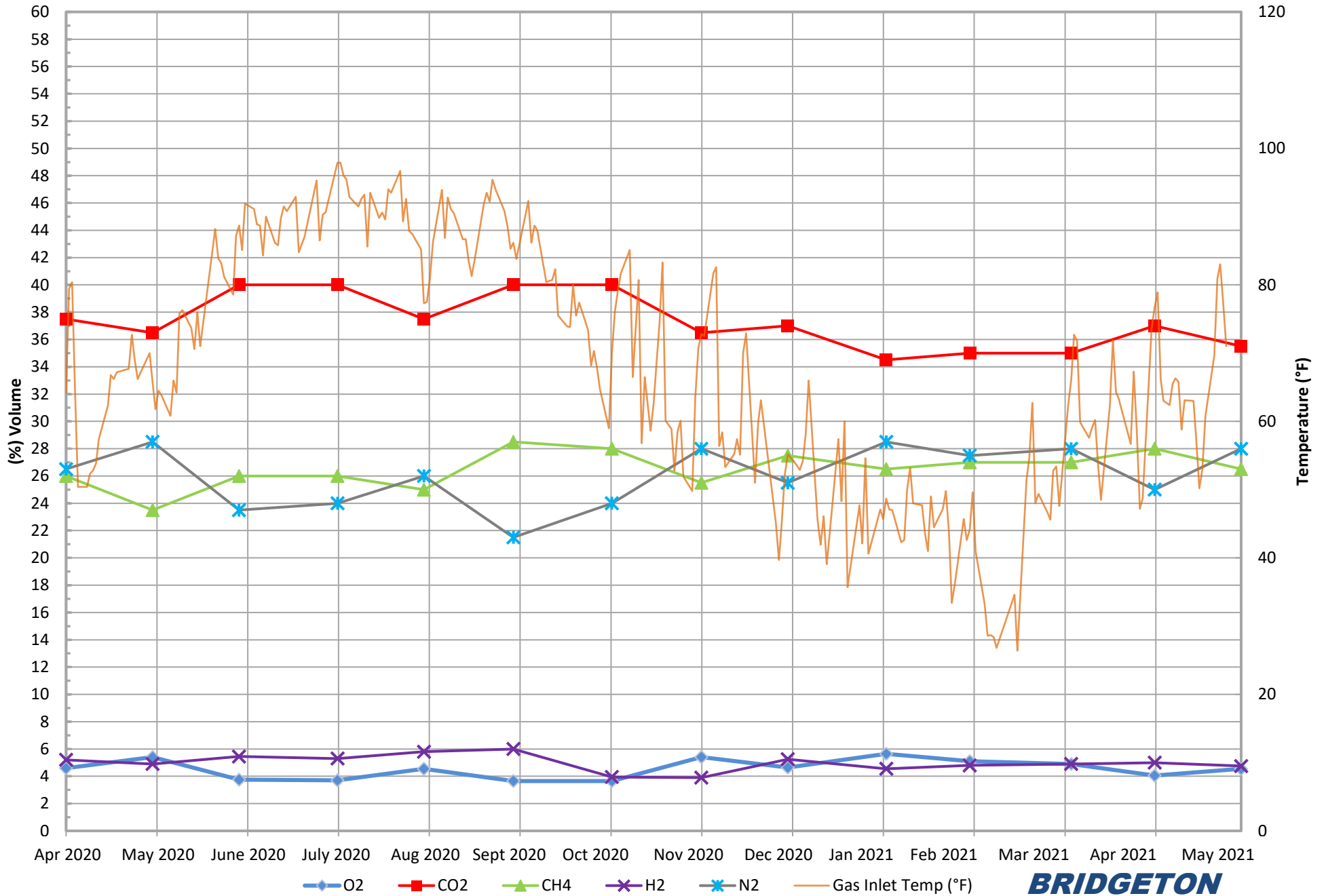
Daily Flare Monitoring Data - Bridgeton Landfill
April 2021

Date	Average Device Flow* (scfm)			Total Avg. Flow** (scfm)
	Utility Flare (FL-100)	Utility Flare (FL-120)	Utility Flare (FL-140)	
4/1/2021	1,021	1	0	1,022
4/2/2021	1,042	1	0	1,043
4/3/2021	1,059	1	0	1,060
4/4/2021	1,078	0	0	1,078
4/5/2021	1,078	0	0	1,078
4/6/2021	1,066	0	0	1,066
4/7/2021	1,033	0	0	1,033
4/8/2021	960	0	0	960
4/9/2021	989	0	0	989
4/10/2021	986	1	0	988
4/11/2021	946	1	0	947
4/12/2021	993	1	0	994
4/13/2021	1,009	1	0	1,010
4/14/2021	1,017	1	0	1,018
4/15/2021	1,011	1	0	1,012
4/16/2021	1,029	1	0	1,030
4/17/2021	1,016	1	0	1,017
4/18/2021	1,029	1	0	1,030
4/19/2021	1,033	1	0	1,034
4/20/2021	1,006	2	0	1,008
4/21/2021	1,012	1	0	1,014
4/22/2021	1,039	1	0	1,040
4/23/2021	965	85	0	1,050
4/24/2021	1,018	0	0	1,018
4/25/2021	1,033	0	0	1,034
4/26/2021	1,054	0	0	1,054
4/27/2021	1,067	0	0	1,067
4/28/2021	1,045	0	0	1,045
4/29/2021	1,034	0	0	1,034
4/30/2021	1,063	0	0	1,063
AVERAGE	1,024	3	0	1,027
<p>* Flows normalized to **Blower Outlet Flowmeter - EPA Method 2 measurement verified</p> <p>*** On 3/18/2016, the Bridgeton Landfill began separating the North Quarry gas to the Auxiliary Flare.</p> <p>On 10/8/19, the Bridgeton Landfill combined the North Quarry gas and the South Quarry Gas to the Main Flare</p>				

ATTACHMENT A-2

FLOW DATA GRAPHS

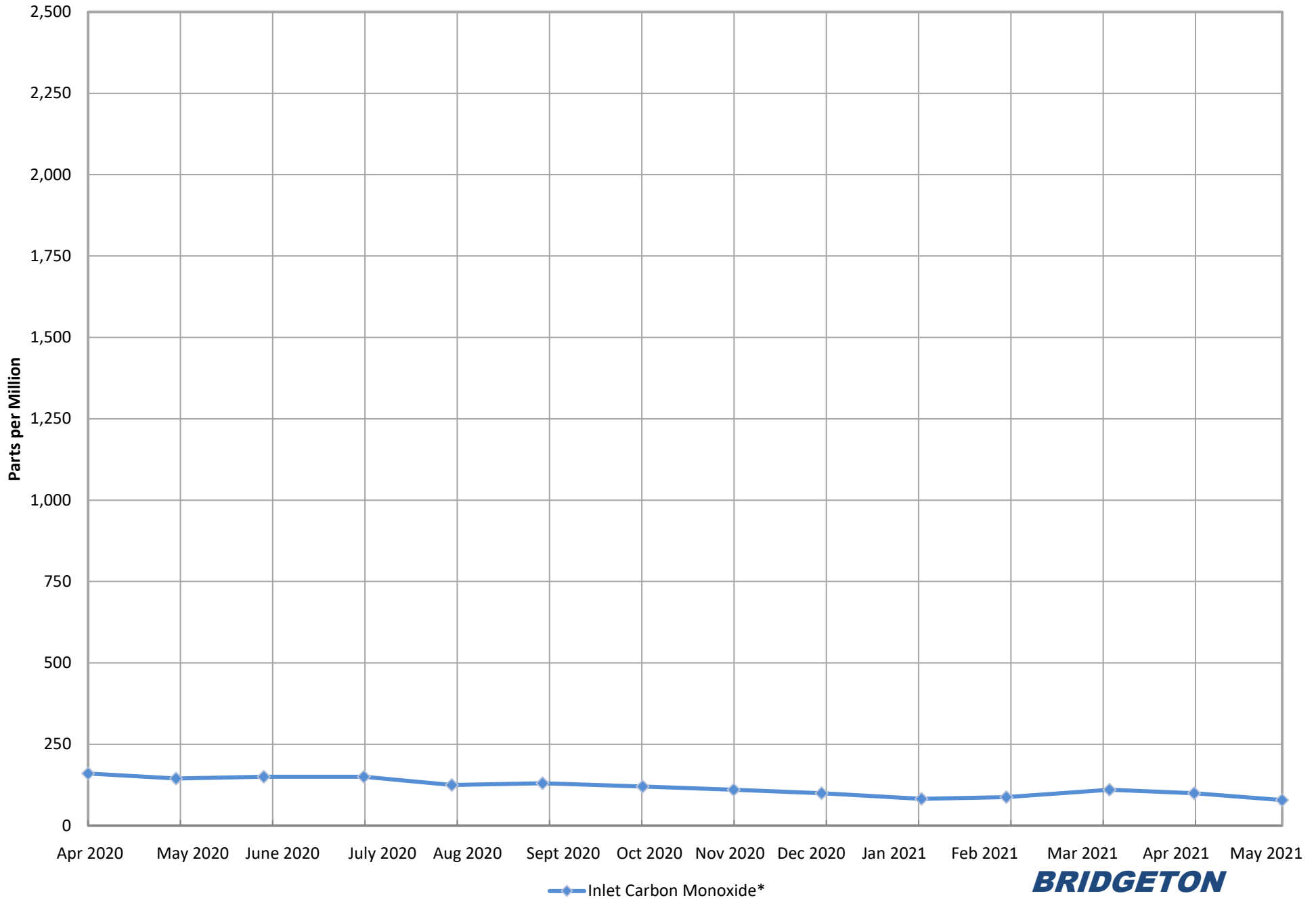
Combined Inlet Gas and Temperature*



**BRIDGETON
LANDFILL**

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

Combined Inlet Carbon Monoxide*

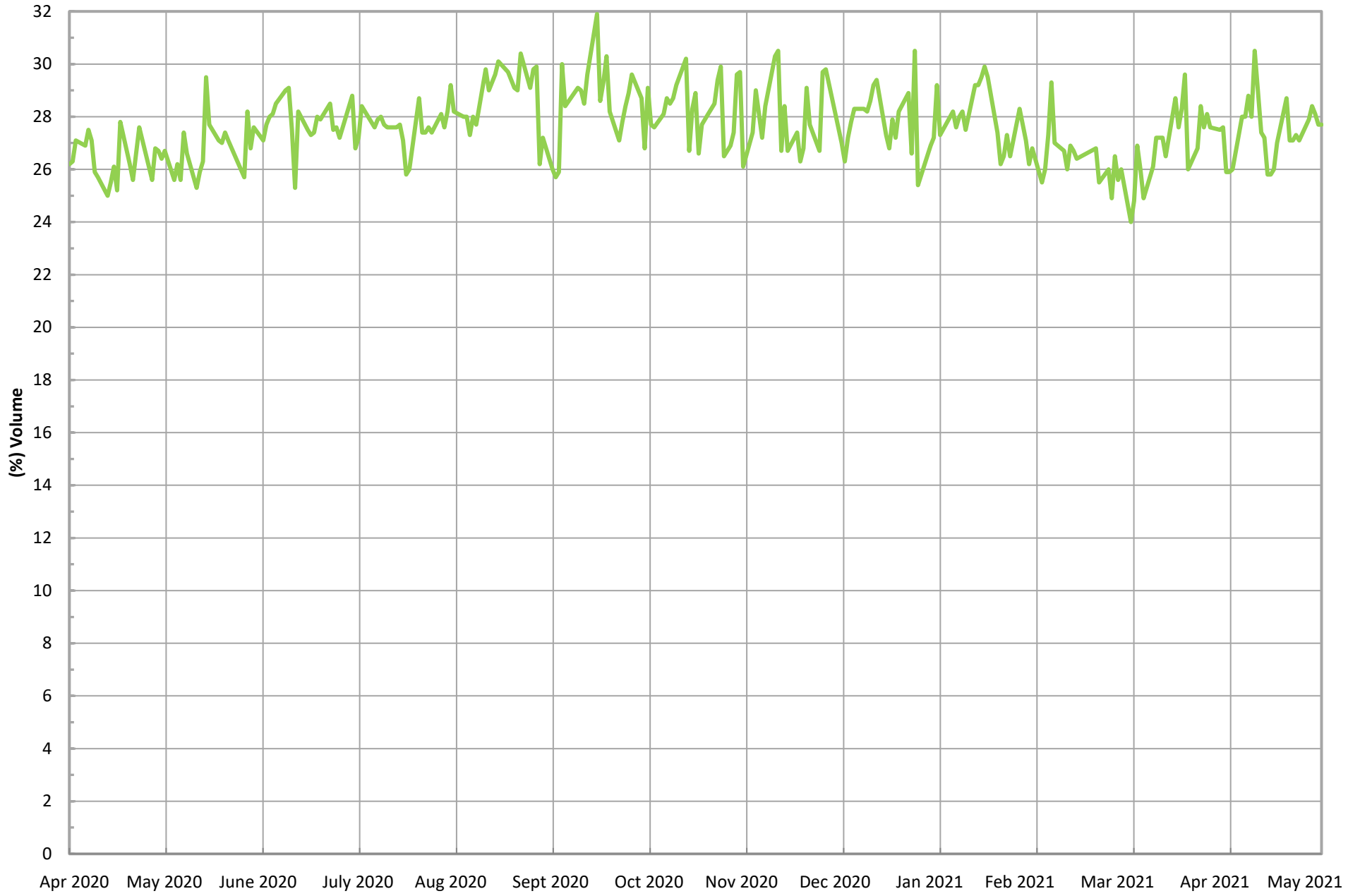


—◆— Inlet Carbon Monoxide*

*Data collected from Laboratory Reports.

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Combined Inlet Methane (Field Data)*

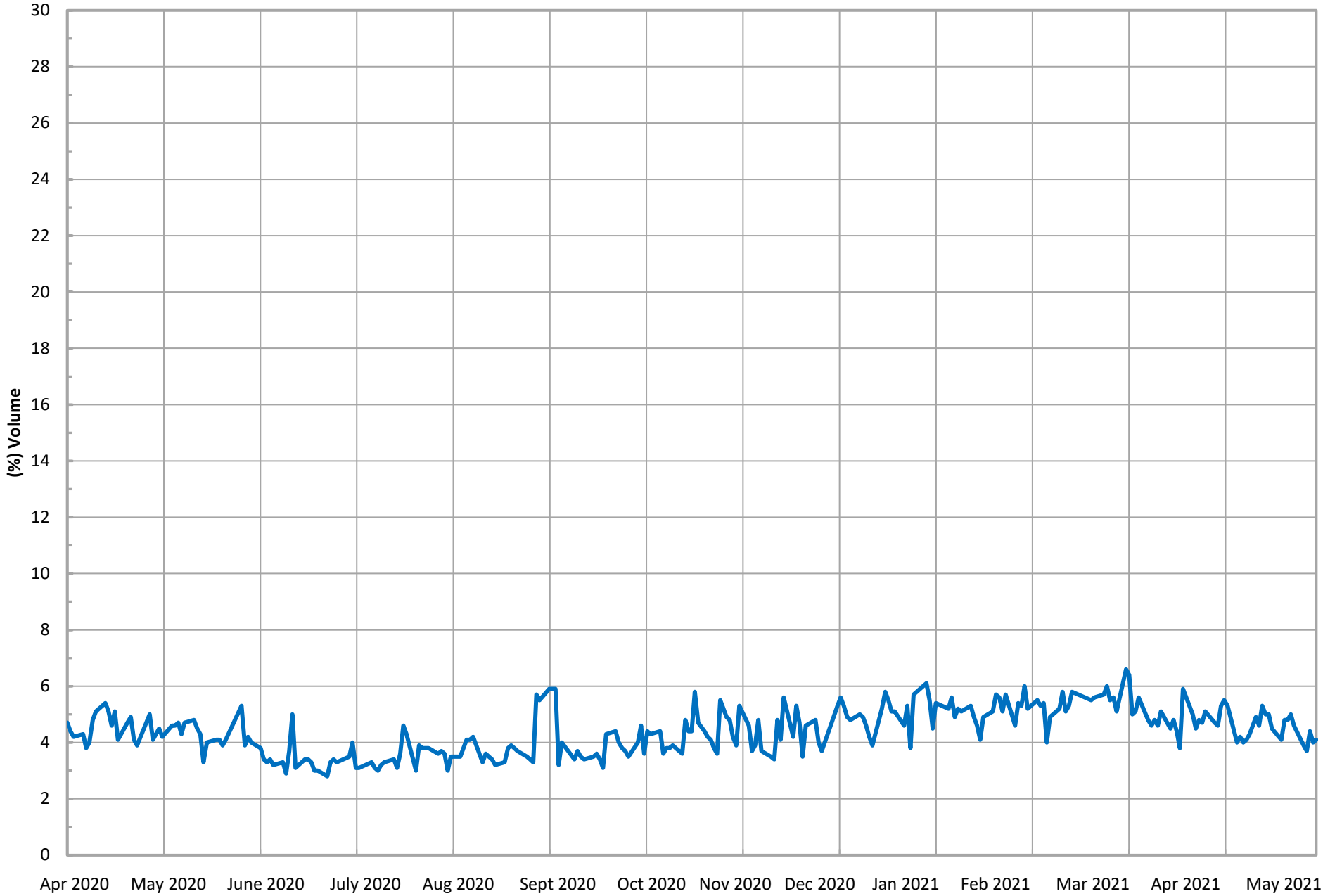


*Gas data collected from field monitoring data.

— Combined Inlet Methane (Field Data)*

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Combined Inlet Oxygen (Field Data)*

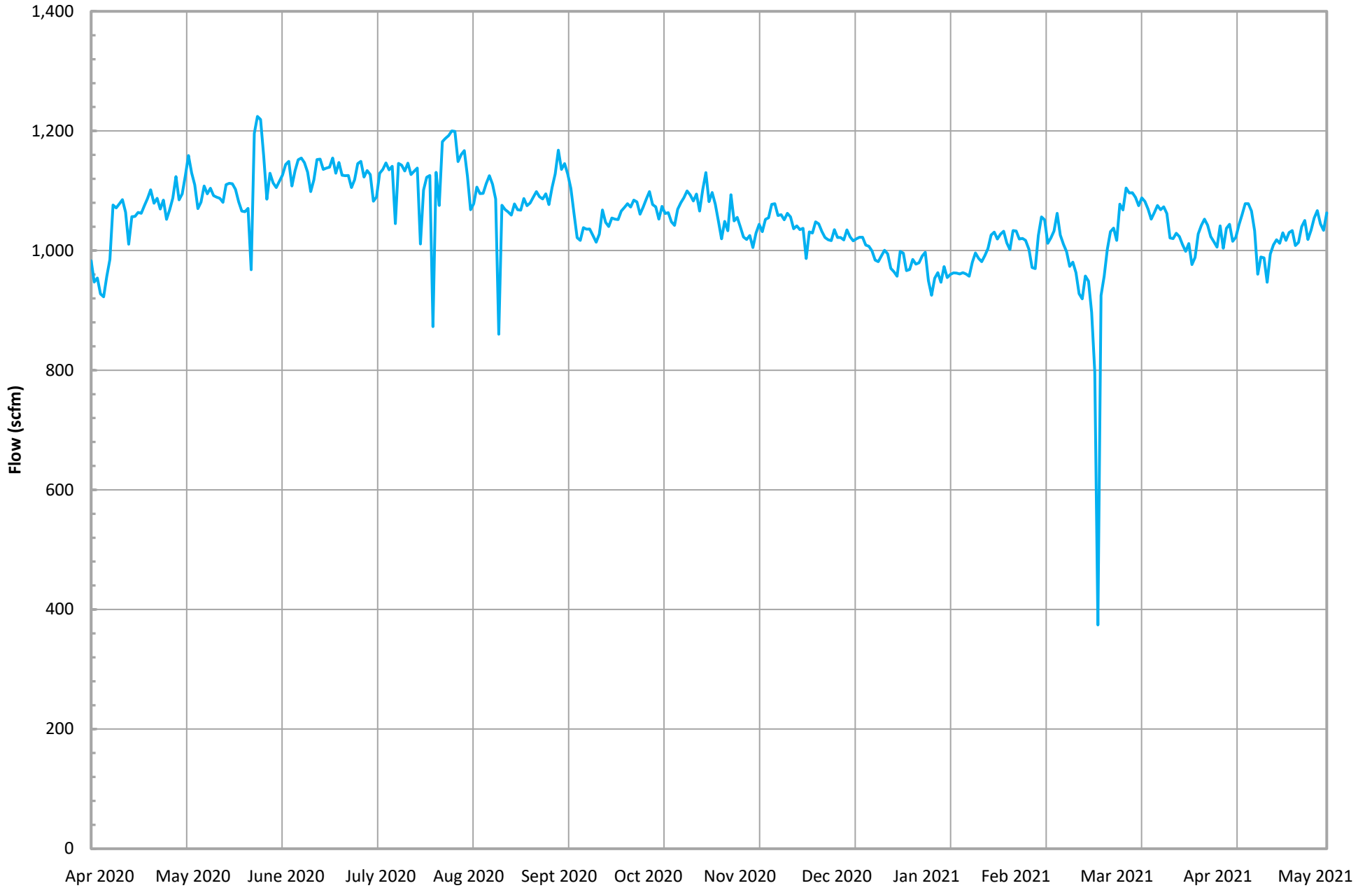


*Gas data collected from field monitoring data

— Combined Inlet Oxygen (Field Data)*

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Total Combined Flow (scfm)*



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

— Total Combined Flow (scfm)*

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ATTACHMENT B

WELL CONDITON/STATUS REPORT

April 2021

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

April 2021

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

April 2021

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

April 2021

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

ATTACHMENT C

LABORATORY DATA

ATTACHMENT C-1

LABORATORY ANALYSES SUMMARY

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
North Quarry								
GEW-002	12/8/2020	47	37	ND	15	ND	ND	
GEW-002	1/12/2021	50	39	ND	10	ND	ND	
GEW-002	2/9/2021	47	38	ND	14	ND	ND	
GEW-002	3/8/2021	48	38	ND	13	ND	ND	
GEW-002	4/14/2021	51	40	ND	8.9	ND	ND	
GEW-02S	12/8/2020	47	34	ND	17	ND	ND	
GEW-02S	1/12/2021	51	38	ND	9.7	ND	ND	
GEW-02S	2/8/2021	55	38	ND	5.9	ND	ND	
GEW-02S	3/8/2021	52	36	ND	11	ND	ND	
GEW-02S	4/14/2021	53	37	ND	9.0	ND	ND	
GEW-003	12/8/2020	51	40	ND	7.4	ND	ND	
GEW-003	1/12/2021	54	42	ND	3.7	ND	ND	
GEW-003	2/9/2021	52	42	ND	5.0	ND	ND	
GEW-003	3/8/2021	52	42	ND	5.6	ND	ND	
GEW-003	4/14/2021	52	42	ND	4.8	ND	ND	
GEW-004	12/8/2020	52	39	ND	7.9	0.046	ND	
GEW-004	1/12/2021	50	41	ND	9.1	0.053	ND	
GEW-004	2/9/2021	50	40	ND	9.2	0.049	ND	
GEW-004	3/8/2021	52	38	ND	8.9	0.044	ND	
GEW-004	4/14/2021	54	40	ND	5.5	0.040	ND	
GEW-005	12/8/2020	56	39	ND	4.6	ND	ND	
GEW-005	1/12/2021	54	39	ND	7.1	ND	ND	
GEW-005	2/9/2021	47	37	ND	15	ND	ND	
GEW-005	3/8/2021	52	37	ND	11	ND	ND	
GEW-005	4/1/2021	45	36	ND	18	ND	ND	
GEW-006	12/9/2020	52	39	ND	7.5	ND	ND	
GEW-006	1/13/2021	52	39	ND	8.2	ND	ND	
GEW-006	2/9/2021	49	37	ND	12	ND	ND	
GEW-006	3/9/2021	53	37	ND	8.9	ND	ND	
GEW-006	4/1/2021	51	37	ND	11	ND	ND	
GEW-007	12/9/2020	53	41	ND	5.0	ND	ND	
GEW-007	1/13/2021	53	41	ND	5.0	ND	ND	
GEW-007	2/8/2021	53	41	ND	5.3	ND	ND	
GEW-007	3/9/2021	53	40	ND	5.7	ND	ND	
GEW-007	4/5/2021	52	41	ND	5.8	ND	ND	
GEW-008	12/9/2020	51	43	ND	4.2	1.2	ND	
GEW-008	1/13/2021	52	43	ND	3.4	1.3	ND	
GEW-008	2/8/2021	51	43	ND	4.4	1.1	ND	
GEW-008	3/9/2021	50	40	ND	6.9	1.3	ND	
GEW-008	4/5/2021	51	42	ND	5.0	1.1	ND	
GEW-009	12/9/2020	49	42	ND	7.8	0.61	ND	
GEW-009	1/13/2021	51	42	ND	5.2	0.71	ND	
GEW-009	2/8/2021	49	42	ND	7.8	0.68	ND	
GEW-009	3/9/2021	50	43	ND	4.8	0.58	ND	
GEW-009	4/5/2021	48	40	ND	11	0.50	ND	
GEW-040	12/9/2020	59	34	ND	6.2	ND	ND	
GEW-040	1/13/2021	53	33	ND	13	ND	ND	
GEW-040	2/8/2021	59	35	ND	5.2	ND	ND	
GEW-040	3/9/2021	49	32	ND	18	ND	ND	
GEW-040	4/5/2021	56	33	ND	11	ND	ND	
GEW-041R	12/9/2020	48	34	ND	17	ND	ND	
GEW-041R	1/12/2021	48	33	ND	18	ND	ND	
GEW-041R	2/9/2021	49	34	ND	17	ND	ND	
GEW-041R	3/9/2021	51	34	ND	15	ND	ND	
GEW-041R	4/5/2021	47	33	ND	19	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-042R	12/9/2020	52	37	ND	9.6	ND	ND	
GEW-042R	1/12/2021	52	37	ND	10	ND	ND	
GEW-042R	2/11/2021	56	42	ND	ND	ND	ND	
GEW-042R	3/8/2021	54	38	ND	7.2	ND	ND	
GEW-042R	4/5/2021	53	37	ND	9.3	ND	ND	
GEW-043R	12/9/2020	52	41	ND	6.6	0.11	ND	
GEW-043R	1/12/2021	51	40	ND	7.8	0.12	ND	
GEW-043R	2/9/2021	50	41	ND	7.7	0.11	ND	
GEW-043R	3/8/2021	53	40	ND	6.3	0.094	ND	
GEW-043R	4/14/2021	51	40	ND	8.0	0.13	ND	
GEW-044	12/8/2020	36	33	ND	30	ND	ND	
GEW-044	1/12/2021	34	31	ND	34	ND	ND	
GEW-044	2/8/2021	44	37	ND	18	ND	ND	
GEW-044	3/8/2021	42	32	ND	25	ND	ND	
GEW-044	4/14/2021	38	32	ND	29	ND	ND	
GEW-045R	12/8/2020	50	38	ND	9.9	ND	ND	
GEW-045R	1/12/2021	49	38	ND	13	ND	ND	
GEW-045R	2/9/2021	49	38	ND	13	ND	ND	
GEW-045R	3/8/2021	50	36	ND	12	ND	ND	
GEW-045R	4/14/2021	51	37	ND	11	ND	ND	
GEW-046R	12/8/2020	52	41	ND	6.0	0.033	ND	
GEW-046R	1/12/2021	51	41	ND	7.0	0.044	ND	
GEW-046R	2/9/2021	45	36	2.3	17	0.039	ND	
GEW-046R	2/24/2021	50	40	ND	9.4	ND	ND	
GEW-046R	3/8/2021	50	39	ND	9.3	ND	ND	
GEW-046R	4/14/2021	51	40	ND	7.6	0.036	ND	
GEW-047R	12/8/2020	48	39	ND	12	ND	ND	
GEW-047R	1/12/2021	47	40	ND	13	ND	ND	
GEW-047R	2/9/2021	43	36	3.4	17	ND	ND	See Note 3
GEW-047R	2/24/2021	48	39	1.7	11	ND	ND	
GEW-047R	3/8/2021	50	39	ND	11	ND	ND	
GEW-047R	4/1/2021	46	38	ND	16	ND	ND	
GEW-048	12/8/2020	54	39	ND	6.4	ND	ND	
GEW-048	1/12/2021	52	39	ND	7.9	ND	ND	
GEW-048	2/9/2021	51	40	ND	8.5	ND	ND	
GEW-048	3/8/2021	52	39	ND	7.6	0.033	ND	
GEW-048	4/1/2021	52	38	ND	8.9	ND	ND	
GEW-049	12/8/2020	45	37	ND	17	ND	ND	
GEW-049	1/12/2021	37	34	ND	28	ND	ND	
GEW-049	2/8/2021	50	40	ND	9.0	ND	ND	
GEW-049	3/8/2021	46	35	ND	18	ND	ND	
GEW-049	4/5/2021	45	34	ND	20	ND	ND	
GEW-050	12/9/2020	50	38	ND	10	ND	ND	
GEW-050	1/13/2021	51	38	ND	9.9	ND	ND	
GEW-050	2/8/2021	48	38	ND	14	ND	ND	
GEW-050	3/9/2021	51	37	ND	11	ND	ND	
GEW-050	4/1/2021	45	34	ND	20	ND	ND	
GEW-051	12/9/2020	53	42	ND	3.9	0.94	ND	
GEW-051	1/13/2021	53	42	ND	3.5	1.2	ND	
GEW-051	2/8/2021	52	44	ND	ND	1.6	ND	
GEW-051	3/9/2021	53	42	ND	ND	1.5	ND	
GEW-051	4/5/2021	53	41	ND	3.9	0.86	ND	
GEW-052	12/9/2020	48	39	ND	12	ND	ND	
GEW-052	1/13/2021	49	39	ND	11	ND	ND	
GEW-052	2/8/2021	47	38	ND	13	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(%)	
GEW-052	3/9/2021	49	38	ND	12	ND	ND	
GEW-052	4/5/2021	47	36	ND	16	ND	ND	
GEW-053	12/9/2020	49	42	ND	4.9	3.3	47	
GEW-053	1/13/2021	48	42	ND	5.4	3.3	47	
GEW-053	2/8/2021	46	43	ND	6.1	4.3	58	
GEW-053	2/19/2021	25	30	ND	38	5.4	590	
GEW-053	2/24/2021	41	40	ND	10	6.8	100	
GEW-053	3/16/2021	45	43	ND	ND	8.5	69	
GEW-053	3/31/2021	47	42	ND	5.3	4.5	59	
GEW-053	4/16/2021	47	41	ND	6.3	4.0	59	
GEW-054	12/9/2020	51	42	ND	4.4	1.5	ND	
GEW-054	1/13/2021	51	43	ND	3.9	1.4	ND	
GEW-054	2/8/2021	51	43	ND	4.0	1.5	ND	
GEW-054	3/9/2021	51	42	ND	4.1	1.4	ND	
GEW-054	4/5/2021	50	43	ND	4.7	1.3	ND	
GEW-055	12/9/2020	50	43	ND	5.0	1.2	ND	
GEW-055	1/13/2021	51	42	ND	4.9	1.3	ND	
GEW-055	2/8/2021	50	43	ND	4.9	1.4	ND	
GEW-055	3/9/2021	51	44	ND	ND	2.3	ND	
GEW-055	4/5/2021	51	41	ND	5.6	1.0	ND	
Flare Station ²	12/4/2020	27.5	37.0	4.7	25.5	5.3	100	See Note 9
Flare Station ²	1/6/2021	26.5	34.5	5.7	28.5	4.6	82	See Note 9
Flare Station ²	2/3/2021	27.0	35.0	5.1	27.5	4.8	88	See Note 9
Flare Station ²	3/9/2021	27.0	35.0	4.9	28.0	4.9	110	See Note 9
Flare Station ²	4/6/2021	28.0	37.0	4.1	25.0	5.0	100	See Note 9

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

ND = Analyte not detected in sample.

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

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)					(ppm)	
South Quarry								
GEW-010	12/9/2020	20	15	14	50	ND	ND	See Note 3
GEW-010	12/22/2020	53	39	1.8	6.1	0.057	ND	
GEW-010	1/6/2021	53	41	ND	4.9	0.057	ND	
GEW-010	2/11/2021	55	42	ND	ND	0.035	ND	
GEW-010	3/8/2021	53	40	ND	5.5	0.034	ND	
GEW-010	4/7/2021	54	43	ND	ND	0.041	ND	
GEW-013A	1/7/2021	5.6	62	ND	5.0	25	590	
GEW-013A	4/5/2021	7.3	59	ND	5.2	26	560	
GEW-015	1/7/2021	26	45	1.6	12	16	270	
GEW-015	4/5/2021	23	44	ND	17	15	230	
GEW-016R	1/7/2021	9.6	50	ND	14	25	510	
GEW-016R	4/5/2021	9.4	47	ND	19	23	470	
GEW-018B	1/8/2021	1.4	45	3.0	11	39	460	
GEW-018B	4/12/2021	1.5	48	ND	ND	44	460	
GEW-019A	1/11/2021	1.4	55	5.0	18	21	730	See Note 4
GEW-019A	4/8/2021	2.3	51	6.2	24	16	600	See Note 4
GEW-039	12/9/2020	36	33	4.4	26	ND	ND	
GEW-039	1/6/2021	35	35	2.3	28	ND	ND	
GEW-039	2/10/2021	39	37	1.7	22	ND	ND	
GEW-039	3/8/2021	35	34	2.4	29	ND	ND	
GEW-039	4/7/2021	33	37	ND	28	ND	ND	
GEW-056R	12/9/2020	42	38	3.1	14	2.5	ND	
GEW-056R	1/6/2021	46	41	ND	9.0	2.8	31	
GEW-056R	2/10/2021	48	42	ND	6.6	3.0	34	
GEW-056R	3/8/2021	44	39	ND	13	2.7	ND	
GEW-056R	4/7/2021	47	44	ND	5.9	2.7	ND	
GEW-057B	1/13/2021	7.8	48	ND	4.9	37	420	
GEW-057B	4/8/2021	11	42	3.1	11	32	440	
GEW-059R	1/8/2021	25	38	ND	13	22	280	
GEW-059R	4/5/2021	23	35	ND	22	19	280	
GEW-067A	1/7/2021	7.2	45	1.8	11	34	360	
GEW-067A	4/5/2021	5.2	48	ND	4.1	40	390	
GEW-068A	1/14/2021	24	47	ND	ND	25	620	
GEW-068A	4/9/2021	24	45	ND	5.5	25	650	
GEW-078R	1/8/2021	28	36	2.3	19	15	380	
GEW-078R	4/12/2021	25	36	ND	22	16	390	
GEW-082R	1/11/2021	10	28	4.5	37	20	440	
GEW-082R	4/8/2021	5.0	36	ND	28	29	660	
GEW-086	1/18/2021	7.8	29	4.5	40	19	260	
GEW-086	4/5/2021	7.1	21	6.3	51	14	190	See Note 4
GEW-087	1/7/2021	8.7	48	2.7	20	20	410	
GEW-087	4/5/2021	3.7	61	ND	ND	28	610	
GEW-088	1/7/2021	1.7	43	ND	5.3	49	810	
GEW-088	4/5/2021	1.8	40	ND	11	44	740	
GEW-090	1/7/2021	25	36	2.0	18	19	270	
GEW-090	4/5/2021	24	38	ND	18	19	290	
GEW-091	12/9/2020	0.063	0.13	22	78	ND	ND	See Note 3
GEW-091	12/23/2020	2.2	48	ND	3.5	43	280	
GEW-091	1/6/2021	2.3	44	2.6	9.1	41	270	
GEW-091	2/11/2021	2.7	48	ND	4.3	42	340	
GEW-091	3/15/2021	3.2	48	ND	ND	42	350	
GEW-091	4/7/2021	2.7	49	ND	ND	41	290	
GEW-100	1/14/2021	14	54	2.7	9.2	20	260	
GEW-100	4/12/2021	28	34	6.2	25	6.7	65	See Note 4

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-101	1/14/2021	33	59	ND	5.9	ND	ND	
GEW-101	4/12/2021	32	63	ND	4.0	ND	ND	
GEW-102	1/13/2021	17	27	9.2	32	13	ND	See Note 4
GEW-102	4/12/2021	49	41	2.2	7.4	0.13	ND	
GEW-104	1/13/2021	1.7	51	ND	ND	42	370	
GEW-104	4/8/2021	9.8	40	4.6	19	27	270	
GEW-105	1/11/2021	43	44	ND	3.2	8.7	110	
GEW-105	4/7/2021	45	41	2.7	9.5	1.6	ND	
GEW-106	1/11/2021	10.0	40	5.4	21	24	330	See Note 4
GEW-106	4/7/2021	17	55	ND	6.7	19	190	
GEW-107	1/11/2021	45	49	ND	ND	3.6	96	
GEW-107	4/7/2021	43	48	ND	4.6	3.2	84	
GEW-108	12/9/2020	28	31	6.9	24	9.5	120	See Note 3
GEW-108	12/22/2020	40	42	ND	4.3	13	130	
GEW-108	1/6/2021	40	43	ND	3.7	12	150	
GEW-108	2/11/2021	42	44	ND	ND	12	160	
GEW-108	3/8/2021	40	42	ND	3.6	13	160	
GEW-108	4/7/2021	40	45	ND	ND	11	140	
GEW-109	12/9/2020	30	28	8.6	33	0.17	ND	See Note 3
GEW-109	12/22/2020	44	37	3.5	15	0.22	ND	
GEW-109	1/6/2021	46	39	2.3	12	0.25	ND	
GEW-109	2/11/2021	49	40	1.8	9.0	0.16	ND	
GEW-109	3/8/2021	48	38	2.1	12	0.15	ND	
GEW-109	4/7/2021	47	39	2.1	12	0.13	ND	
GEW-110	12/9/2020	24	23	11	40	1.7	ND	See Note 3
GEW-110	12/22/2020	47	43	ND	5.3	3.5	39	
GEW-110	1/6/2021	47	44	ND	4.8	3.7	39	
GEW-110	2/10/2021	47	44	1.6	5.9	2.3	44	
GEW-110	3/8/2021	46	42	1.9	7.2	2.3	39	
GEW-110	4/7/2021	44	48	ND	ND	4.6	66	
GEW-113	1/7/2021	12	56	1.9	10	19	450	
GEW-113	4/5/2021	13	55	ND	11	19	440	
GEW-116	1/8/2021	33	59	ND	4.4	1.2	40	
GEW-116	4/8/2021	37	58	ND	3.4	0.53	ND	
GEW-117	1/11/2021	31	47	2.6	18	1.0	89	
GEW-117	4/8/2021	33	54	ND	11	0.97	96	
GEW-118	1/11/2021	2.2	53	ND	4.8	38	520	
GEW-118	4/8/2021	1.6	54	ND	4.9	36	390	
GEW-120	1/11/2021	39	42	2.3	16	0.11	ND	
GEW-120	4/8/2021	12	28	3.2	57	0.073	ND	
GEW-121	1/11/2021	37	47	1.4	11	3.3	120	
GEW-121	4/8/2021	36	45	ND	14	3.9	140	
GEW-122	1/11/2021	39	33	3.3	16	8.5	240	
GEW-122	4/8/2021	42	38	ND	8.2	11	320	
GEW-123	1/11/2021	33	54	ND	11	0.63	85	
GEW-123	4/8/2021	38	57	ND	3.7	0.27	34	
GEW-124	1/11/2021	34	25	9.0	31	ND	ND	See Note 4
GEW-124	4/8/2021	44	32	5.3	19	ND	ND	
GEW-125	1/13/2021	47	45	1.8	6.1	ND	ND	
GEW-125	4/9/2021	40	35	1.9	24	ND	ND	
GEW-126	1/13/2021	21	54	3.7	13	7.5	550	
GEW-126	4/9/2021	28	30	2.1	40	0.24	ND	
GEW-127	1/14/2021	15	28	11	43	3.9	200	See Note 3
GEW-127	4/9/2021	26	51	ND	3.6	17	700	
GEW-129	1/14/2021	37	52	ND	7.9	0.99	72	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-129	4/12/2021	35	50	ND	12	1.6	120	
GEW-130	1/14/2021	25	38	2.9	20	14	590	
GEW-130	4/9/2021	23	39	ND	22	15	690	
GEW-131	1/13/2021	41	41	ND	5.3	11	340	
GEW-131	4/9/2021	42	43	ND	ND	12	370	
GEW-132	1/11/2021	20	34	1.7	29	14	440	
GEW-132	4/8/2021	13	23	8.2	44	11	320	See Note 3
GEW-133	1/8/2021	11	40	2.1	33	14	410	
GEW-133	4/8/2021	16	48	ND	21	14	370	
GEW-134	1/8/2021	9.9	34	3.4	38	14	300	
GEW-134	4/5/2021	12	42	ND	25	18	370	
GEW-135	1/8/2021	4.8	45	1.6	21	28	470	
GEW-135	4/5/2021	3.2	48	ND	13	34	570	
GEW-137	1/8/2021	41	41	1.8	16	ND	ND	
GEW-137	4/12/2021	40	43	ND	16	ND	ND	
GEW-139	1/15/2021	8.5	47	2.0	6.6	36	1,300	
GEW-139	4/9/2021	3.4	38	5.9	21	31	1,200	See Note 4
GEW-140	1/15/2021	23	46	ND	ND	28	650	
GEW-140	4/9/2021	32	44	ND	4.7	17	390	
GEW-144	1/14/2021	39	37	5.3	19	0.23	ND	See Note 4
GEW-144	4/13/2021	19	17	14	49	0.068	ND	See Note 4
GEW-145	1/13/2021	28	41	2.3	8.3	18	66	
GEW-145	4/9/2021	24	42	3.1	11	20	60	
GEW-147	1/25/2021	16	44	ND	19	20	360	
GEW-147	4/5/2021	14	41	ND	26	18	330	
GEW-148	1/7/2021	24	45	2.3	8.0	21	610	
GEW-148	4/5/2021	23	50	ND	4.7	21	620	
GEW-149	1/7/2021	3.2	14	6.6	76	ND	ND	See Note 3
GEW-149	4/5/2021	3.7	15	3.4	78	ND	ND	
GEW-150	1/11/2021	30	45	ND	7.0	17	240	
GEW-150	4/8/2021	23	38	4.4	20	15	220	
GEW-151	10/5/2020	7.7	34	4.8	30	24	420	
GEW-152	1/11/2021	24	45	2.4	12	17	340	
GEW-152	4/7/2021	24	42	2.7	14	17	310	
GEW-153	1/8/2021	31	33	ND	31	3.2	56	
GEW-153	4/12/2021	30	32	ND	35	2.0	56	
GEW-156	1/25/2021	28	45	ND	5.1	21	370	
GEW-156	4/5/2021	24	39	2.2	20	15	260	
GEW-157	1/13/2021	34	42	ND	4.9	18	170	
GEW-157	4/8/2021	24	40	2.0	6.8	27	310	
GEW-158	1/11/2021	32	44	ND	8.4	13	210	
GEW-158	4/7/2021	28	45	ND	9.5	16	260	
GEW-160	12/9/2020	12	15	13	55	3.6	65	See Note 3
GEW-160	12/23/2020	29	34	2.4	24	11	130	
GEW-160	1/6/2021	29	34	2.2	24	10.0	140	
GEW-160	2/11/2021	30	36	1.4	22	10	140	
GEW-160	3/8/2021	33	34	ND	22	9.1	130	
GEW-160	4/7/2021	31	36	ND	22	9.1	130	
GEW-161	12/9/2020	8.5	39	5.1	20	26	500	See Note 3
GEW-161	12/22/2020	12	48	ND	6.8	31	520	
GEW-161	1/6/2021	12	46	1.9	9.2	31	610	
GEW-161	2/11/2021	15	47	ND	8.7	29	600	
GEW-161	3/8/2021	15	45	ND	8.3	30	620	
GEW-161	4/7/2021	16	45	ND	9.7	28	490	
GEW-162	12/9/2020	12	46	6.4	24	10	260	See Note 3
GEW-162	12/22/2020	18	60	ND	6.5	13	330	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-162	1/6/2021	19	59	1.5	7.0	13	360	
GEW-162	2/11/2021	21	62	ND	4.7	12	370	
GEW-162	3/8/2021	19	57	1.9	12	10	320	
GEW-162	4/7/2021	22	61	ND	7.6	8.3	250	
GEW-163	1/11/2021	24	39	4.0	33	0.16	ND	
GEW-163	4/8/2021	37	60	ND	ND	ND	ND	
GEW-164	1/11/2021	36	50	ND	12	ND	ND	
GEW-164	4/8/2021	40	50	ND	8.6	ND	ND	
GEW-165	1/13/2021	24	50	3.6	15	6.6	160	
GEW-165	4/8/2021	26	53	2.3	11	6.7	180	
GEW-166	1/13/2021	2.4	57	ND	3.6	35	2,000	
GEW-166	4/8/2021	2.0	56	ND	4.0	36	1,800	
GEW-167	1/13/2021	9.0	47	ND	5.6	37	1,400	
GEW-167	4/9/2021	16	45	ND	6.0	32	1,100	
GEW-168	1/13/2021	45	48	ND	4.9	0.11	ND	
GEW-168	4/9/2021	40	43	3.5	13	ND	ND	
GEW-169	1/13/2021	33	53	ND	3.6	9.7	400	
GEW-169	4/9/2021	35	47	1.9	9.5	7.0	320	
GEW-170	1/14/2021	12	33	6.6	37	11	450	See Note 4
GEW-170	4/9/2021	12	26	8.7	48	4.6	260	
GEW-171	1/14/2021	24	43	6.2	25	1.6	85	See Note 4
GEW-171	4/13/2021	20	53	1.8	6.8	18	480	
GEW-172	1/14/2021	14	46	3.3	11	25	950	
GEW-172	4/9/2021	37	41	1.8	8.1	12	240	
GEW-174	1/15/2021	4.5	37	5.6	20	33	800	See Note 4
GEW-174	4/9/2021	15	30	1.7	46	7.4	97	
GEW-175	1/11/2021	21	21	7.0	50	0.50	70	See Note 4
GEW-175	4/8/2021	1.6	5.6	18	75	0.12	67	See Note 4
GEW-177	1/14/2021	14	41	4.3	27	13	710	
GEW-177	4/12/2021	23	46	1.9	17	11	520	
GEW-178	1/13/2021	46	47	ND	5.9	ND	ND	
GEW-178	4/8/2021	50	40	ND	8.6	ND	ND	
GEW-179	1/13/2021	46	51	ND	ND	ND	ND	
GEW-179	4/12/2021	38	40	2.1	19	ND	ND	
GEW-180	1/13/2021	38	54	1.8	6.3	ND	ND	
GEW-180	4/12/2021	37	58	ND	3.8	ND	ND	
GEW-181	1/14/2021	26	61	2.9	10	ND	ND	
GEW-181	4/12/2021	29	67	ND	ND	ND	ND	
GEW-185	1/11/2021	36	50	ND	13	ND	ND	
GEW-185	4/8/2021	0.075	0.41	22	78	ND	ND	See Note 3
GEW-186	1/14/2021	37	45	2.7	15	0.27	ND	
GEW-186	4/9/2021	44	44	1.9	9.7	0.066	ND	
GEW-187	12/9/2020	17	19	14	49	0.58	ND	See Note 3
GEW-187	12/22/2020	44	48	ND	5.5	1.5	ND	
GEW-187	1/6/2021	43	49	ND	5.0	1.2	ND	
GEW-187	2/11/2021	46	51	ND	ND	1.3	ND	
GEW-187	3/8/2021	45	47	ND	5.4	1.1	ND	
GEW-187	4/7/2021	45	51	ND	ND	0.98	ND	
GEW-217	1/13/2021	6.4	47	2.7	9.2	34	400	
GEW-217	4/8/2021	27	39	4.4	15	13	140	
GEW-218	1/13/2021	31	46	ND	6.6	15	270	
GEW-218	4/9/2021	11	54	ND	15	18	490	
GEW-220	1/13/2021	20	48	ND	ND	29	430	
GEW-220	4/14/2021	32	46	ND	5.2	15	380	
GEW-221	1/14/2021	20	53	ND	ND	24	350	
GEW-221	4/9/2021	30	48	2.4	17	2.6	47	
GEW-222	1/14/2021	47	39	2.7	9.3	2.0	58	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-222	4/9/2021	56	39	ND	3.9	0.092	ND	
GEW-223	1/14/2021	28	60	2.3	8.0	1.3	210	
GEW-223	4/9/2021	35	58	ND	4.8	0.44	93	
GEW-224	1/14/2021	33	52	2.7	9.7	2.3	200	
GEW-224	4/9/2021	37	56	ND	ND	2.4	200	
GEW-225	1/14/2021	29	42	2.6	9.6	17	400	
GEW-225	4/9/2021	24	39	3.1	18	16	510	
GEW-226	1/15/2021	37	45	ND	ND	15	510	
GEW-226	4/9/2021	38	41	ND	7.1	13	380	
GEW-227	1/8/2021	6.8	33	4.5	33	22	430	
GEW-227	4/8/2021	2.6	39	1.9	24	32	610	
GEW-228	1/8/2021	1.9	9.0	15	71	2.7	39	See Note 4
GEW-229	1/8/2021	1.4	13	8.1	77	0.61	ND	See Note 4
GEW-232	1/7/2021	25	55	ND	8.7	10.0	220	
GEW-232	4/5/2021	23	48	2.1	21	4.3	140	
GEW-233	1/8/2021	2.2	27	7.3	46	17	390	See Note 4
GEW-233	4/5/2021	4.2	33	3.6	35	22	460	
GEW-234	1/11/2021	11	43	ND	21	23	620	
GEW-234	4/8/2021	13	35	ND	34	15	340	
GEW-235	1/11/2021	27	48	1.5	12	11	210	
GEW-235	4/8/2021	18	54	ND	4.3	22	290	
GEW-236	1/15/2021	1.2	45	ND	ND	49	310	
GEW-236	4/12/2021	1.1	38	2.9	9.9	47	340	
GEW-237	1/11/2021	50	45	ND	ND	2.2	54	
GEW-237	4/8/2021	30	32	5.6	31	1.6	57	See Note 4
GEW-238	1/7/2021	11	56	1.5	9.4	22	520	
GEW-238	4/5/2021	11	56	ND	9.0	22	480	
GEW-239	1/7/2021	1.4	47	ND	3.5	46	800	
GEW-239	4/5/2021	0.82	28	8.4	34	28	480	See Note 3
GEW-240	1/15/2021	21	33	ND	29	15	270	
GEW-240	4/12/2021	1.5	22	4.6	61	11	150	
GEW-241	1/13/2021	35	39	3.8	21	0.036	ND	
GEW-241	4/8/2021	35	42	ND	21	ND	ND	
GEW-242	1/15/2021	19	49	ND	4.4	26	420	
GEW-242	4/9/2021	9.2	29	9.6	33	18	220	See Note 4
GEW-243	1/13/2021	19	66	ND	3.3	10	560	
GEW-243	4/9/2021	25	41	2.2	28	3.2	310	
GEW-244	1/13/2021	23	56	ND	4.7	14	400	
GEW-244	4/12/2021	31	50	ND	16	2.3	120	
GEW-245	1/11/2021	21	63	ND	3.8	11	760	
GEW-245	4/8/2021	11	65	ND	ND	20	1,100	
GEW-246	1/7/2021	17	54	ND	4.6	23	560	
GEW-246	4/5/2021	26	50	ND	14	8.1	170	
GEW-247	1/11/2021	36	43	ND	3.7	17	350	
GEW-247	4/7/2021	8.6	46	ND	5.5	38	930	
GEW-248	1/15/2021	7.1	27	4.7	46	15	380	
GEW-248	4/7/2021	9.3	18	10.0	62	0.80	ND	See Note 4
GEW-249	1/11/2021	38	55	ND	ND	3.7	88	
GEW-249	4/8/2021	39	54	ND	3.9	1.9	37	
GEW-250	1/8/2021	0.65	20	10	59	9.1	150	See Note 4
GEW-250	4/5/2021	2.8	26	6.6	50	14	220	See Note 4
GEW-251	1/7/2021	5.8	47	ND	15	30	440	
GEW-251	4/13/2021	3.7	23	8.0	50	15	230	See Note 4
GEW-252	1/13/2021	28	48	ND	ND	21	210	
GEW-252	4/8/2021	33	42	2.0	8.5	14	150	
GEW-253	1/8/2021	2.4	16	11	62	7.9	160	See Note 4
GEW-253	4/12/2021	0.28	10	14	72	3.8	87	See Note 4

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
							(ppm)	
		(%)						
GIW-01	12/8/2020	31	53	ND	5.0	9.4	220	
GIW-01	1/6/2021	31	53	ND	6.1	9.1	240	
GIW-01	2/8/2021	29	51	1.6	8.4	9.2	250	
GIW-01	3/8/2021	29	52	ND	7.6	11	280	
GIW-01	4/7/2021	32	51	ND	7.0	8.6	230	
GIW-02	12/8/2020	11	57	1.6	14	16	530	
GIW-02	1/6/2021	13	55	1.6	16	15	490	
GIW-02	2/8/2021	16	57	ND	12	13	440	
GIW-02	3/8/2021	17	50	1.7	19	12	410	
GIW-02	4/7/2021	17	60	ND	8.0	14	460	
GIW-03	12/8/2020	22	43	1.6	21	12	290	
GIW-03	1/6/2021	23	43	1.7	20	12	290	
GIW-03	2/8/2021	23	42	2.0	21	12	310	
GIW-03	3/8/2021	24	43	ND	19	13	330	
GIW-03	4/7/2021	26	44	ND	16	12	310	
GIW-04	12/8/2020	24	45	ND	7.2	22	420	
GIW-04	1/6/2021	25	43	1.9	8.7	22	400	
GIW-04	2/8/2021	24	40	2.5	8.8	24	500	
GIW-04	3/8/2021	26	42	1.6	9.3	21	380	
GIW-04	4/7/2021	26	44	ND	8.1	21	370	
GIW-05	12/9/2020	24	28	6.8	33	7.7	77	See Note 3
GIW-05	12/23/2020	31	38	2.3	19	9.3	87	
GIW-05	1/6/2021	33	37	1.8	18	9.8	100	
GIW-05	2/9/2021	33	37	1.9	18	9.4	110	
GIW-05	3/8/2021	33	38	ND	17	11	100	
GIW-05	4/7/2021	29	43	ND	18	8.2	91	
GIW-06	12/9/2020	18	19	12	50	1.8	ND	See Note 3
GIW-06	12/23/2020	33	35	2.6	26	3.0	ND	
GIW-06	1/6/2021	36	37	2.1	22	3.5	ND	
GIW-06	2/9/2021	3.0	50	1.4	5.0	40	230	
GIW-06	3/8/2021	37	38	ND	20	3.7	33	
GIW-06	4/7/1931	34	40	ND	22	3.0	ND	
GIW-07	12/9/2020	32	29	8.7	31	ND	ND	See Note 3
GIW-07	12/23/2020	48	45	ND	5.4	0.14	ND	
GIW-07	1/6/2021	49	45	ND	5.0	ND	ND	
GIW-07	2/9/2021	46	43	2.2	8.9	0.21	ND	
GIW-07	3/8/2021	48	47	ND	4.4	ND	ND	
GIW-07	4/7/2021	47	46	ND	6.2	ND	ND	
GIW-08	12/9/2020	32	28	8.3	32	ND	ND	See Note 3
GIW-08	12/23/2020	48	42	ND	9.0	ND	ND	
GIW-08	1/6/2021	48	42	ND	9.2	ND	ND	
GIW-08	2/10/2020	49	41	ND	8.4	ND	ND	
GIW-08	3/8/2021	46	40	1.8	11	ND	ND	
GIW-08	4/7/2021	48	43	ND	8.2	ND	ND	
GIW-09	12/9/2020	24	27	7.6	35	6.0	41	See Note 3
GIW-09	12/23/2020	35	40	ND	15	8.6	57	
GIW-09	1/6/2021	35	39	ND	16	8.2	61	
GIW-09	2/10/2021	39	40	ND	11	9.2	71	
GIW-09	3/8/2021	33	37	1.9	19	8.4	62	
GIW-09	4/7/2021	37	40	ND	15	7.8	48	
GIW-10	12/9/2020	12	13	14	59	2.2	31	See Note 3

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GIW-10	12/23/2020	29	32	ND	30	7.0	67	
GIW-10	1/6/2021	30	32	ND	30	7.1	78	
GIW-10	2/10/2021	32	34	ND	25	7.8	93	
GIW-10	3/8/2021	29	31	2.0	31	6.5	74	
GIW-10	4/7/2021	30	34	ND	30	4.7	60	
GIW-11	12/9/2020	10	11	15	63	0.78	45	See Note 3
GIW-11	12/23/2020	29	31	2.3	35	2.3	120	
GIW-11	1/6/2021	27	30	2.5	39	2.1	140	
GIW-11	2/10/2021	34	34	ND	24	6.5	75	
GIW-11	3/8/2021	25	29	2.6	42	2.1	91	
GIW-11	4/7/2021	27	30	2.5	39	1.8	55	
GIW-12	12/9/2020	12	13	15	59	0.79	ND	See Note 3
GIW-12	12/23/2020	35	37	ND	23	3.5	58	
GIW-12	1/6/2021	34	35	2.0	26	2.6	52	
GIW-12	2/10/2021	32	36	2.1	26	3.6	74	
GIW-12	3/8/2021	30	33	2.5	31	2.9	61	
GIW-12	4/7/2021	36	36	ND	24	2.7	39	
GIW-13	12/9/2020	24	24	11	39	2.3	ND	See Note 3
GIW-13	12/23/2020	42	45	ND	6.7	4.6	42	
GIW-13	1/6/2021	43	45	ND	6.8	4.1	42	
GIW-13	2/10/2021	45	45	ND	4.2	5.6	41	
GIW-13	3/8/2021	43	40	2.6	11	3.6	37	
GIW-13	4/7/2021	47	45	ND	3.4	4.0	36	

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

ND = Analyte not detected in sample.

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

ATTACHMENT C-2

LABORATORY ANALYSES REPORTS



April 29, 2021

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



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

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

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

LABORATORY TEST RESULTS

Project Reference: Bridgeton Landfill
Lab Number: M042105-01/155

Enclosed are results for sample(s) received 4/21/21 by Air Technology Laboratories. Samples were received intact. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

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

Preliminary results were e-mailed to Mike Lambrich, Erin Fanning and Anthony Kimutis; Michele Clark, Dustin Thoenen and Don Murphy, Weaver Consultants Group; and Jan Feezor and Dan Feezor, Feezor Engineering on 4/28/21.

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

Sincerely,

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

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Enclosures

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



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME

DELIVERABLES

PAGE: 1 OF 16

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

EDD
EDF
Level 3
Level 4

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

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				initial vac "Hg (lab)
	Cannister ID	Sample Start	Sample End												
M042105 - 01	O1403	-21.4	-5	GEW 47R	4/1/2021	9:49	C	LFG	NA	X					3
- 02	O1420	-21.6	-5	GEW 5	4/1/2021	10:00	C	LFG	NA	X					3.5
- 03	O1405	-21.3	-5	GEW 48	4/1/2021	10:11	C	LFG	NA	X					3.5
- 04	O1414	-21.4	-5	GEW 6	4/1/2021	10:26	C	LFG	NA	X					3.5
- 05	O1398	-21.2	-5	GEW 50	4/1/2021	10:36	C	LFG	NA	X					3.5 on 4/21/21
- 06	O1408	-20.2	-5	GEW 49	4/5/2021	9:09	C	LFG	NA	X					5.5
- 07	O1417	-20	-5	GEW 51	4/5/2021	9:44	C	LFG	NA	X					5.5
- 08	O1427	-20.2	-5	GEW 52	4/5/2021	9:54	C	LFG	NA	X					5.5
- 09	O1424	-20.4	-5	GEW 7	4/5/2021	10:05	C	LFG	NA	X					5.5
- 10	O1418	-20.1	-5	GEW 8	4/5/2021	10:17	C	LFG	NA	X					5.5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services
SAMPLED BY: Andy Guthrie COMPANY: Hunt Environmental DATE/TIME 4/1/21 - 4/5/2021

RELINQUISHED BY: <i>Andy Guthrie</i>	DATE/TIME: 4-20-2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: FedEx	DATE/TIME: 4/21/21 14:10	RECEIVED BY: <i>Andy Guthrie</i>	DATE/TIME: 4-21-21 14:10
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

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

COMMENTS



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 2 OF 16
Standard <input type="checkbox"/>	48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				initial vac "Hg (lab)
	Cannister ID	Sample Start	Sample End												
M042105-11	O1406	-20	-5	GEW 9	4/5/2021	10:28	C	LFG	NA	X					5.5
-12	3131	-20	-5	GEW 54	4/5/2021	10:50	C	LFG	NA	X					6
-13	A7761	-19.8	-5	GEW 55	4/5/2021	11:02	C	LFG	NA	X					6
-14	5272	-20.1	-5	GEW 40	4/5/2021	11:13	C	LFG	NA	X					6
-15	A7671	-19.9	-5	GEW 41R	4/5/2021	11:24	C	LFG	NA	X					6
-16	A7766	-20	-5	GEW 42R	4/5/2021	11:33	C	LFG	NA	X					6
-17	A7650	-19.5	-5	GEW 156	4/5/2021	14:05	C	LFG	NA	X					6
-18	6156	-20.7	-5	GEW 59R	4/5/2021	14:15	C	LFG	NA	X					4
-19	A7770	-19.6	-5	GEW 107	4/7/2021	10:08	C	LFG	NA	X					6
-20	A7784	-19.9	-5	GEW 152	4/7/2021	10:16	C	LFG	NA	X					6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Andy Guthrie COMPANY: Hunt Environmental DATE/TIME 4/5/21 - 4/7/2021

RELINQUISHED BY: <i>Andy Guthrie</i>	DATE/TIME: 4-20-2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: <i>FedEx</i>	DATE/TIME: 4/21/21 14:10	RECEIVED BY: <i>Ank Shy</i>	DATE/TIME: 4-21-21 14:10
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

COMMENTS

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



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City of Industry, CA 91748
Ph: 626-964-4032
Fx: 626-964-5832

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 3 OF 16
Standard <input type="checkbox"/>	48 hours <input type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				
	Cannister ID	Sample Start	Sample End												
M042105-21	3441	-20.1	-5	GEW 247	4/7/2021	10:26	C	LFG	NA	X					6
-22	5274	-19.9	-5	GEW 248	4/7/2021	11:13	C	LFG	NA	X					5.5
-23	5323	-19.8	-5	GEW 106	4/7/2021	11:25	C	LFG	NA	X					5.5
-24	A7776	-19.7	-5	GEW 158	4/7/2021	11:33	C	LFG	NA	X					6
-25	4648	-18.8	-5	GEW 105	4/7/2021	11:42	C	LFG	NA	X					6
-26	4645	-19.7	-5	GEW 249	4/8/2021	9:56	C	LFG	NA	X					5
-27	5920	-19.9	-5	GEW 237	4/8/2021	10:14	C	LFG	NA	X					5
-28	3126	-20.1	-5	GEW 175	4/8/2021	10:24	C	LFG	NA	X					5
-29	A8072	-20.1	-5	GEW 150	4/8/2021	10:37	C	LFG	NA	X					5
-30	5822	-20	-5	GEW 104	4/8/2021	10:50	C	LFG	NA	X					5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Andy Guthrie COMPANY: Hunt Environmental DATE/TIME 4/7/21 - 4/8/2021

RELINQUISHED BY: <i>Andy Guthrie</i>	DATE/TIME: 4-20-2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: FedEx	DATE/TIME: 04/21/21 14:10	RECEIVED BY: <i>Andy Sly</i>	DATE/TIME: 04/21/21 14:10
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

COMMENTS

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



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Ph: 626-964-4032
Fx: 626-964-5832

CHAIN OF CUSTODY RECORD

TURNAROUND TIME DELIVERABLES PAGE: 4 OF 16

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

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2						initial Vac "Hg (Lab)
	Cannister ID	Sample Start	Sample End													
M042105-31	1613	-19.9	-5	GEW 252	4/8/2021	13:48	C	LFG	NA	X						5
-32	R2493	-20.1	-5	GEW 217	4/8/2021	14:14	C	LFG	NA	X						5
-33	5820	-19.9	-5	GEW 241	4/8/2021	14:26	C	LFG	NA	X						5
-34	N3693	-19.9	-5	GEW 178	4/8/2021	14:37	C	LFG	NA	X						5
-35	1614	-19.8	-5	GEW 57B	4/8/2021	14:50	C	LFG	NA	X						5
-36	R4327	-20.1	-5	GEW 157	4/8/2021	15:06	C	LFG	NA	X						5
-37	A8056	-20.2	-5	GEW 218	4/9/2021	8:28	C	LFG	NA	X						5
-38	R4337	-20.4	-5	GEW 145	4/9/2021	8:39	C	LFG	NA	X						5.5
-39	R4334	-19.6	-5	GEW 242	4/9/2021	9:52	C	LFG	NA	X						5
-40	N3682	-19.7	-5	GEW 221	4/9/2021	10:25	C	LFG	NA	X						6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Andy Guthrie COMPANY: Hunt Environmental DATE/TIME 4/8/21 - 4/9/2021

RELINQUISHED BY: <i>Andy Guthrie</i>	DATE/TIME: 4-20-2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: Fed Ex	DATE/TIME: 04/21/21 14:10	RECEIVED BY: <i>And Sby</i>	DATE/TIME: 04/21/21 14:10
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

COMMENTS

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



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 5 OF 16
Standard <input type="checkbox"/>	48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				
	Cannister ID	Sample Start	Sample End												
M042105-41	A8057	-19.4	-5	GEW 68A	4/9/2021	10:39	C	LFG	NA	X					6
-42	N3688	-19.7	-5	GEW 222	4/9/2021	10:49	C	LFG	NA	X					6
-43	A7818	-19.3	-5	GEW 139	4/9/2021	13:41	C	LFG	NA	X					6.5
-44	A7780	-19.5	-5	GEW 226	4/9/2021	13:50	C	LFG	NA	X					6
-45	5317	-19.1	-5	GEW 140	4/9/2021	14:00	C	LFG	NA	X					6
-46	5905	-19.3	-5	GEW 174	4/9/2021	14:08	C	LFG	NA	X					6
-47	5315	-19.4	-5	GEW 172	4/9/2021	14:19	C	LFG	NA	X					6.5
-48	3435	-19.3	-5	GEW 223	4/9/2021	14:40	C	LFG	NA	X					6
-49	3165	-19	-5	GEW 225	4/9/2021	14:51	C	LFG	NA	X					6
-50	A7811	-19.5	-5	GEW 224	4/9/2021	14:59	C	LFG	NA	X					6.5

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

SAMPLED BY: Andy Guthrie **COMPANY:** Hunt Environmental **DATE/TIME:** 4/9/2021

RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 4/20/2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: FedEx	DATE/TIME: 04/21/21 14:10	RECEIVED BY: <i>[Signature]</i>	DATE/TIME: 04/21/21 14:10
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

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

COMMENTS

initial vac #47 (lab)



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 6 OF 16
Standard <input type="checkbox"/>	48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				
	Cannister ID	Sample Start	Sample End												
M042105-51	5310	-20.2	-5	GEW 153	4/12/2021	13:46	C	LFG	NA	X					6
-52	A8079	-19.8	-5	GEW 102	4/12/2021	14:13	C	LFG	NA	X					6
-53	A7670	-19.8	-5	GEW 101	4/12/2021	14:27	C	LFG	NA	X					6
-54	O1404	-19.5	-5	GEW 181	4/12/2021	14:37	C	LFG	NA	X					6
-55	O1407	-19.7	-5	GEW 100	4/12/2021	14:49	C	LFG	NA	X					5.5
-56	O1399	-20.4	-5	GEW 171	4/13/2021	15:14	C	LFG	NA	X					5
-57	O1409	-20.2	-5	GEW 144	4/13/2021	15:27	C	LFG	NA	X					6
-58	O1421	-20.3	-5	GEW 251	4/13/2021	15:40	C	LFG	NA	X					6.5 in 4/13/21
-59	O1410	-20.6	-5	GEW 220	4/14/2021	11:08	C	LFG	NA	X					5
-60	5825	-20.7	-5	GEW 43R	4/14/2021	8:45	C	LFG	NA	X					5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Andy Guthrie COMPANY: Hunt Environmental DATE/TIME 4/12/21-4/14/2021

RELINQUISHED BY: <i>Andy Guthrie</i>	DATE/TIME: 4/20/2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: FedEx	DATE/TIME: 04/21/21 14:10	RECEIVED BY: <i>Amber Sh...</i>	DATE/TIME: 04/21/21 14:10
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

COMMENTS

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



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 7 OF 16
Standard <input type="checkbox"/>	48 hours <input type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				
	Cannister ID	Sample Start	Sample End												
M042105-61	3825	-20.5	-5	GEW 44	4/14/2021	9:04	C	LFG	NA	X					
-62	A7800	-20.5	-5	GEW 45R	4/14/2021	9:15	C	LFG	NA	X					5
-63	4655	-20.6	-5	GEW 46R	4/14/2021	9:25	C	LFG	NA	X					5
-64	A8067	-20.8	-5	GEW 2S	4/14/2021	9:35	C	LFG	NA	X					5
-65	A7805	-20.3	-5	GEW 2	4/14/2021	9:46	C	LFG	NA	X					5
-66	A7820	-20.5	-5	GEW 3	4/14/2021	10:01	C	LFG	NA	X					5
-67	A8085	-20.7	-5	GEW 4	4/14/2021	10:11	C	LFG	NA	X					5
-68	A7778	-20.4	-5	GEW 53	4/16/2021	9:33	C	LFG	NA	X					5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Andy Guthrie COMPANY: Hunt Environmental DATE/TIME 4/14/21 - 4/16/21

RELINQUISHED BY: <i>Andy Guthrie</i>	DATE/TIME: 4-20-2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: Fed Ex	DATE/TIME: 04/21/21 14:10	RECEIVED BY: <i>Amber Sly</i>	DATE/TIME: 04/21/21 14:10
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

COMMENTS

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



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 8 OF 16
Standard <input type="checkbox"/>	48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				
	Cannister ID	Sample Start	Sample End												
M042105-69	5320	-19.8	-5	GEW 90	4/5/2021	8:50	C	LFG	NA	X					5.5
-70	4657	-19.7	-5	GEW 239	4/5/2021	9:01	C	LFG	NA	X					5.5
-71	A7809	-19.7	-5	GEW 67A	4/5/2021	9:14	C	LFG	NA	X					5.5
-72	R5210	-20.1	-5	GEW 149	4/5/2021	9:49	C	LFG	NA	X					5
-73	A7804	-19.4	-5	GEW 13A	4/5/2021	9:59	C	LFG	NA	X					6
-74	5901	-19.9	-5	GEW 88	4/5/2021	10:14	C	LFG	NA	X					5.5
-75	5903	-20.3	-5	GEW 86	4/5/2021	10:33	C	LFG	NA	X					5.5
-76	R2480	-18.6	-5	GEW 87	4/5/2021	10:45	C	LFG	NA	X					7
-77	5271	-19.5	-5	GEW 15	4/5/2021	10:58	C	LFG	NA	X					6
-78	3838	-20.3	-5	GEW 148	4/5/2021	11:08	C	LFG	NA	X					6

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

SAMPLED BY: Steven Romaine **COMPANY:** Hunt Environmental **DATE/TIME:** 4/5/2021

RELINQUISHED BY: <i>Steven Romaine</i>	DATE/TIME: 4:20-2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: Fed Ex	DATE/TIME: 04/21/21 14:10	RECEIVED BY: <i>Anne Shing</i>	DATE/TIME: 04/21/21 14:10
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

COMMENTS

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



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 9 OF 16
Standard <input type="checkbox"/>	48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYP	MATRIX	PRESERVA-TION	D1946 + CO, H2	ANALYSIS REQUEST				initial use "17
	Cannister ID	Sample Start	Sample End												
M042105-79	3164	-20	-5	GEW 246	4/5/2021	11:20	C	LFG	NA	X					6
-80	6154	-20.1	-5	GEW 232	4/5/2021	11:30	C	LFG	NA	X					6
-81	A7808	-19.5	-5	GEW 147	4/5/2021	14:01	C	LFG	NA	X					6.5
-82	6135	-19.4	-5	GEW 16R	4/5/2021	14:10	C	LFG	NA	X					6.5
-83	R1158	-19.5	-5	GEW 238	4/5/2021	14:20	C	LFG	NA	X					6
-84	R1348	-19.7	-5	GEW 113	4/5/2021	14:30	C	LFG	NA	X					6
-85	R2490	-19.9	-5	GEW 135	4/5/2021	14:46	C	LFG	NA	X					6
-86	A7782	-20.2	-5	GEW 233	4/5/2021	14:57	C	LFG	NA	X					6
-87	J1717	-19.5	-5	GEW 134	4/5/2021	15:11	C	LFG	NA	X					6
-88	3162	-19.9	-5	GEW 250	4/5/2021	15:21	C	LFG	NA	X					6

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

SAMPLED BY: Steven Romaine **COMPANY:** Hunt Environmental **DATE/TIME:** 4/5/2021

RELINQUISHED BY: <i>Steven Romaine</i>	DATE/TIME: 4/30/2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: FedEx	DATE/TIME: 04/21/21 14:10	RECEIVED BY: <i>Amber Shy</i>	DATE/TIME: 04/21/21 14:10
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

COMMENTS

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



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 10 OF 16
Standard <input type="checkbox"/>	48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				
	Cannister ID	Sample Start	Sample End												
M042105-89	A8069	-19.3	-5	GIW 1	4/7/2021	8:11	C	LFG	NA	X					6
-90	A7802	-19.7	-5	GIW 2	4/7/2021	8:21	C	LFG	NA	X					6
-91	A8065	-19.8	-5	GIW 3	4/7/2021	8:30	C	LFG	NA	X					6
-92	5304	-19.7	-5	GIW 4	4/7/2021	8:38	C	LFG	NA	X					6
-93	A8054	-19.6	-5	GIW 5	4/7/2021	8:49	C	LFG	NA	X					6
-94	5270	-19.2	-5	GIW 6	4/7/2021	8:58	C	LFG	NA	X					6
-95	5934	-19.3	-5	GIW 7	4/7/2021	9:07	C	LFG	NA	X					6
-96	3130	-19.4	-5	GIW 8	4/7/2021	9:15	C	LFG	NA	X					6
-97	A8063	-19.6	-5	GIW 9	4/7/2021	9:24	C	LFG	NA	X					6
-98	A8094	-19.7	-5	GIW 10	4/7/2021	9:32	C	LFG	NA	X					6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Steven Romaine COMPANY: Hunt Environmental DATE/TIME 4/7/2021

RELINQUISHED BY: <i>Steven Romaine</i>	DATE/TIME: 4-20-2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: FedEx	DATE/TIME: 04/21/21 14:10	RECEIVED BY: <i>Anika Shy</i>	DATE/TIME: 04/21/21 14:10
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

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

COMMENTS

initial vac 14Hg



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: 11 OF 16
Standard <input type="checkbox"/>	48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

BILLING

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				initial vac "Hg
	Cannister ID	Sample Start	Sample End												
M042105-99	A8055	-19.6	-5	GIW 11	4/7/2021	9:52	C	LFG	NA	X					6
-100	A7751	-19.7	-5	GIW 12	4/7/2021	10:02	C	LFG	NA	X					6
-101	6152	-19.6	-5	GIW 13	4/7/2021	10:11	C	LFG	NA	X					6
-102	5936	-19.7	-5	GEW 110	4/7/2021	10:19	C	LFG	NA	X					6
-103	A8096	-19.9	-5	GEW 10	4/7/2021	10:28	C	LFG	NA	X					6
-104	A7749	-19.6	-5	GEW 56R	4/7/2021	13:47	C	LFG	NA	X					6
-105	6140	-19.6	-5	GEW 39	4/7/2021	13:57	C	LFG	NA	X					6
-106	R5213	-19.8	-5	GEW 109	4/7/2021	14:06	C	LFG	NA	X					6
-107	5266	-19.9	-5	GEW 108	4/7/2021	14:16	C	LFG	NA	X					6
-108	6136	-19.7	-5	GEW 187	4/7/2021	14:25	C	LFG	NA	X					6

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Steven Romaine COMPANY: Hunt Environmental DATE/TIME 4/7/2021

RELINQUISHED BY: <i>Steven Romaine</i> DATE/TIME: 4-20-2021	RECEIVED BY: DATE/TIME:
RELINQUISHED BY: FedEx DATE/TIME: 04/21/21 14:10	RECEIVED BY: <i>Amber Sly</i> DATE/TIME: 04/21/21 14:10
RELINQUISHED BY: DATE/TIME:	RECEIVED BY: DATE/TIME:

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

COMMENTS



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME

DELIVERABLES

PAGE: 12 OF 16

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

EDD
EDF
Level 3
Level 4

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

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2					Initial val "Hg
	Cannister ID	Sample Start	Sample End												
4 or 4/21/21 M092105-109	A7774	-19.7	-5	GEW 162	4/7/2021	14:35	C	LFG	NA	X					6
-110	A7656	-19.4	-5	GEW 161	4/7/2021	14:44	C	LFG	NA	X					6
-111	R1372	-19.7	-5	GEW 160	4/7/2021	14:53	C	LFG	NA	X					6
-112	J1720	-18.9	-5	GEW 91	4/7/2021	15:03	C	LFG	NA	X					6.5
-113	A7660	-20	-5	GEW 133	4/8/2021	8:44	C	LFG	NA	X					5.5
-114	R2206	-19.8	-5	GEW 116	4/8/2021	8:54	C	LFG	NA	X					5
-115	A7794	-20	-5	GEW 227	4/8/2021	9:06	C	LFG	NA	X					5
-116	A7767	-19.8	-5	GEW 234	4/8/2021	9:23	C	LFG	NA	X					5
-117	3439	-19.2	-5	GEW 118	4/8/2021	9:34	C	LFG	NA	X					6
-118	R5209	-19.8	-5	GEW 82R	4/8/2021	9:47	C	LFG	NA	X					5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services
SAMPLED BY: Steven Romaine COMPANY: Hunt Environmental DATE/TIME 4/7/21 - 4/8/2021

RELINQUISHED BY: <i>Steven Romaine</i> DATE/TIME: 4/20/21	RECEIVED BY: DATE/TIME:
RELINQUISHED BY: FedEx DATE/TIME: 04/21/21 14:10	RECEIVED BY: <i>Anita Slag</i> DATE/TIME: 04/21/21 14:10
RELINQUISHED BY:	RECEIVED BY:

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

COMMENTS



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 13 OF 16
Standard <input type="checkbox"/>	48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

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

ANALYSIS REQUEST

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												
M042105-119	A7816	-20	-5	GEW 132	4/8/2021	9:56	C	LFG	NA	X					
-120	R5221	-20	-5	GEW 117	4/8/2021	10:14	C	LFG	NA	X					
-121	3835	-19.8	-5	GEW 19A	4/8/2021	10:24	C	LFG	NA	X					
-122	3833	-20.2	-5	GEW 120	4/8/2021	10:35	C	LFG	NA	X					
-123	N3685	-20.1	-5	GEW 185	4/8/2021	10:45	C	LFG	NA	X					
-124	A7665	-19.8	-5	GEW 121	4/8/2021	11:21	C	LFG	NA	X					
-125	N3681	-19.9	-5	GEW 235	4/8/2021	11:30	C	LFG	NA	X					
-126	N3697	-20	-5	GEW 163	4/8/2021	13:48	C	LFG	NA	X					
-127	A8078	-19.9	-5	GEW 123	4/8/2021	14:00	C	LFG	NA	X					
-128	R5277	-19.7	-5	GEW 164	4/8/2021	14:10	C	LFG	NA	X					S-S

AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services

SAMPLED BY: Steven Romaine COMPANY: Hunt Environmental DATE/TIME 4/8/2021

RELINQUISHED BY: <i>Steven Romaine</i>	DATE/TIME: 4/20/2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: Fed Ex	DATE/TIME: 04/21/21 14:10	RECEIVED BY: <i>Anika Shy</i>	DATE/TIME: 04/21/21 14:10
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

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

COMMENTS

initial vac 11/15



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: 14 OF 16
Standard <input type="checkbox"/>	48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

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

ANALYSIS REQUEST

LAB USE ONLY	Cannister Pressure ("hg)			SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	D1946 + CO, H2	ANALYSIS REQUEST				
	Cannister ID	Sample Start	Sample End												
M042105-129	4644	-19.7	-5	GEW 124	4/8/2021	14:25	C	LFG	NA	X					S
-130	6160	-19.7	-5	GEW 245	4/8/2021	14:40	C	LFG	NA	X					S
-131	A8103	-19.8	-5	GEW 165	4/8/2021	14:52	C	LFG	NA	X					S.S
-132	3157	-19.8	-5	GEW 166	4/8/2021	15:06	C	LFG	NA	X					S.S
-133	A8068	-19.8	-5	GEW 122	4/8/2021	15:17	C	LFG	NA	X					S
-134	A7654	-19.9	-5	GEW 125	4/9/2021	8:35	C	LFG	NA	X					S
-135	A7666	-19.7	-5	GEW 168	4/9/2021	8:47	C	LFG	NA	X					S
-136	A7773	-19.5	-5	GEW 243	4/9/2021	8:56	C	LFG	NA	X					S
-137	5305	-20	-5	GEW 126	4/9/2021	9:09	C	LFG	NA	X					S
-138	3132	-19.8	-5	GEW 169	4/9/2021	9:25	C	LFG	NA	X					S.S

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

SAMPLED BY: Steven Romaine **COMPANY:** Hunt Environmental **DATE/TIME:** 4/8/21 - 4/9/2021

RELINQUISHED BY: <i>Steven Romaine</i>	DATE/TIME: 4-20-2021	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY: <i>FedEx</i>	DATE/TIME: 04/21/21 14:10	RECEIVED BY: <i>Amika Shy</i>	DATE/TIME: 04/21/21 14:10
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

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

COMMENTS



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

CHAIN OF CUSTODY RECORD

TURNAROUND TIME		DELIVERABLES	PAGE: 16 OF 16
Standard <input type="checkbox"/>	48 hours <input checked="" type="checkbox"/>	EDD <input checked="" type="checkbox"/>	Condition upon receipt: Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Chilled _____ deg C
Same Day <input type="checkbox"/>	72 hours <input type="checkbox"/>	EDF <input type="checkbox"/>	
24 hours <input type="checkbox"/>	96 hours <input type="checkbox"/>	Level 3 <input type="checkbox"/>	
Other: 5 Day		Level 4 <input type="checkbox"/>	

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

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

ANALYSIS REQUEST

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													
M042105-149	N3701	-20.1	-5	GEW 240	4/12/2021	10:13	C	LFG	NA	X						5
-150	A7667	-19.8	-5	GEW 78R	4/12/2021	10:23	C	LFG	NA	X						5
-151	5816	-20	-5	GEW 244	4/12/2021	10:39	C	LFG	NA	X						5
-152	5839	-20.3	-5	GEW 129	4/12/2021	10:55	C	LFG	NA	X						5
-153	3436	-20.1	-5	GEW 177	4/12/2021	11:04	C	LFG	NA	X						5-5
-154	R2202	-19.9	-5	GEW 179	4/12/2021	11:27	C	LFG	NA	X						5
-155	R5198	-19.9	-5	GEW 180	4/12/2021	11:36	C	LFG	NA	X						5-5

AUTHORIZATION TO PERFORM WORK: Dave Penoyer	COMPANY: Republic Services	COMMENTS	
SAMPLED BY: Steven Romaine	COMPANY: Hunt Environmental		DATE/TIME 4/12/2021
RELINQUISHED BY: <i>Steven Romaine</i>	DATE/TIME 4-20-2021		RECEIVED BY: _____
RELINQUISHED BY: Fed Ex	DATE/TIME 04/21/21 14:10		RECEIVED BY: <i>Anika Sly</i>
RELINQUISHED BY: _____	DATE/TIME _____	RECEIVED BY: _____	
METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other _____			

Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-05	M042105-06	M042105-07	M042105-08				
Client Sample I.D.:	GEW 50	GEW 49	GEW 51	GEW 52				
Date/Time Sampled:	4/1/21 10:36	4/5/21 9:09	4/5/21 9:44	4/5/21 9:54				
Date/Time Analyzed:	4/22/21 13:00	4/22/21 13:14	4/22/21 13:29	4/22/21 13:43				
QC Batch No.:	210422GC8A1	210422GC8A1	210422GC8A1	210422GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	2.9	3.3	3.3	3.3				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.029	ND d	0.033	0.86 d	0.033	ND d	0.033
Carbon Dioxide	34	0.029	34	0.033	41	0.033	36	0.033
Oxygen/Argon	ND	1.4	ND	1.6	ND	1.6	ND	1.6
Nitrogen	20	2.9	20	3.3	3.9	3.3	16	3.3
Methane	45	0.0029	45	0.0033	53	0.0033	47	0.0033
Carbon Monoxide	ND	0.0029	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 210427GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-09	M042105-10	M042105-11	M042105-12				
Client Sample I.D.:	GEW 7	GEW 8	GEW 9	GEW 54				
Date/Time Sampled:	4/5/21 10:05	4/5/21 10:17	4/5/21 10:28	4/5/21 10:50				
Date/Time Analyzed:	4/22/21 14:15	4/22/21 14:29	4/22/21 14:44	4/22/21 14:58				
QC Batch No.:	210422GC8A1	210422GC8A1	210422GC8A1	210422GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.3	3.3	3.3	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.033	1.1 d	0.033	0.50 d	0.033	1.3 d	0.034
Carbon Dioxide	41	0.033	42	0.033	40	0.033	43	0.034
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.7
Nitrogen	5.8	3.3	5.0	3.3	11	3.3	4.7	3.4
Methane	52	0.0033	51	0.0033	48	0.0033	50	0.0034
Carbon Monoxide	ND	0.0033	ND	0.0033	ND	0.0033	ND	0.0034

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-13	M042105-14	M042105-15	M042105-16				
Client Sample I.D.:	GEW 55	GEW 40	GEW 41R	GEW 42R				
Date/Time Sampled:	4/5/21 11:02	4/5/21 11:13	4/5/21 11:24	4/5/21 11:33				
Date/Time Analyzed:	4/22/21 15:13	4/22/21 15:27	4/22/21 15:42	4/22/21 15:56				
QC Batch No.:	210422GC8A1	210422GC8A1	210422GC8A1	210422GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.4	3.4	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	1.0 d	0.034	ND d	0.034	ND d	0.034	ND d	0.034
Carbon Dioxide	41	0.034	33	0.034	33	0.034	37	0.034
Oxygen/Argon	ND	1.7	ND	1.7	ND	1.7	ND	1.7
Nitrogen	5.6	3.4	11	3.4	19	3.4	9.3	3.4
Methane	51	0.0034	56	0.0034	47	0.0034	53	0.0034
Carbon Monoxide	ND	0.0034	ND	0.0034	ND	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 210427GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-17	M042105-18	M042105-19	M042105-20				
Client Sample I.D.:	GEW 156	GEW 59R	GEW 107	GEW 152				
Date/Time Sampled:	4/5/21 14:05	4/5/21 14:15	4/7/21 10:08	4/7/21 10:16				
Date/Time Analyzed:	4/22/21 16:11	4/22/21 16:26	4/22/21 16:40	4/22/21 16:54				
QC Batch No.:	210422GC8A1	210422GC8A1	210422GC8A1	210422GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.0	3.4	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	15	3.4	19	3.0	3.2 d	0.034	17	3.4
Carbon Dioxide	39	0.034	35	0.030	48	0.034	42	0.034
Oxygen/Argon	2.2	1.7	ND	1.5	ND	1.7	2.7	1.7
Nitrogen	20	3.4	22	3.0	4.6	3.4	14	3.4
Methane	24	0.0034	23	0.0030	43	0.0034	24	0.0034
Carbon Monoxide	0.026	0.0034	0.028	0.0030	0.0084	0.0034	0.031	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

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d = Analyzed by secondary analysis, batch 210427GC8A2

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 4/28/21

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: 04/21/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-21	M042105-22	M042105-23	M042105-24				
Client Sample I.D.:	GEW 247	GEW 248	GEW 106	GEW 158				
Date/Time Sampled:	4/7/21 10:26	4/7/21 11:13	4/7/21 11:25	4/7/21 11:33				
Date/Time Analyzed:	4/22/21 19:22	4/22/21 19:36	4/22/21 19:51	4/22/21 20:05				
QC Batch No.:	210422GC8A2	210422GC8A2	210422GC8A2	210422GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.3	3.3	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	38	3.4	0.80 d	0.033	19	3.3	16	3.4
Carbon Dioxide	46	0.034	18	0.033	55	0.033	45	0.034
Oxygen/Argon	ND	1.7	10.0	1.6	ND	1.6	ND	1.7
Nitrogen	5.5	3.4	62	3.3	6.7	3.3	9.5	3.4
Methane	8.6	0.0034	9.3	0.0033	17	0.0033	28	0.0034
Carbon Monoxide	0.093	0.0034	ND	0.0033	0.019	0.0033	0.026	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch 210427GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-25	M042105-26	M042105-27	M042105-28				
Client Sample I.D.:	GEW 105	GEW 249	GEW 237	GEW 175				
Date/Time Sampled:	4/7/21 11:42	4/8/21 9:56	4/8/21 10:14	4/8/21 10:24				
Date/Time Analyzed:	4/22/21 20:20	4/22/21 20:34	4/22/21 20:48	4/22/21 21:03				
QC Batch No.:	210422GC8A2	210422GC8A2	210422GC8A2	210422GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.2	3.2	3.2				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	1.6 d	0.034	1.9 d	0.032	1.6 d	0.032	0.12 d	0.032
Carbon Dioxide	41	0.034	54	0.032	32	0.032	5.6	0.032
Oxygen/Argon	2.7	1.7	ND	1.6	5.6	1.6	18	1.6
Nitrogen	9.5	3.4	3.9	3.2	31	3.2	75	3.2
Methane	45	0.0034	39	0.0032	30	0.0032	1.6	0.0032
Carbon Monoxide	ND	0.0034	0.0037	0.0032	0.0057	0.0032	0.0067	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch 210427GC8A2, 210427GC8A3

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-29	M042105-30	M042105-31	M042105-32				
Client Sample I.D.:	GEW 150	GEW 104	GEW 252	GEW 217				
Date/Time Sampled:	4/8/21 10:37	4/8/21 10:50	4/8/21 13:48	4/8/21 14:14				
Date/Time Analyzed:	4/22/21 21:17	4/22/21 21:32	4/22/21 21:46	4/22/21 22:01				
QC Batch No.:	210422GC8A2	210422GC8A2	210422GC8A2	210422GC8A2				
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	15	3.2	27	3.2	14	3.2	13	3.2
Carbon Dioxide	38	0.032	40	0.032	42	0.032	39	0.032
Oxygen/Argon	4.4	1.6	4.6	1.6	2.0	1.6	4.4	1.6
Nitrogen	20	3.2	19	3.2	8.5	3.2	15	3.2
Methane	23	0.0032	9.8	0.0032	33	0.0032	27	0.0032
Carbon Monoxide	0.022	0.0032	0.027	0.0032	0.015	0.0032	0.014	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

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: 04/21/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-33	M042105-34	M042105-35	M042105-36				
Client Sample I.D.:	GEW 241	GEW 178	GEW 57B	GEW 157				
Date/Time Sampled:	4/8/21 14:26	4/8/21 14:37	4/8/21 14:50	4/8/21 15:06				
Date/Time Analyzed:	4/22/21 22:15	4/22/21 22:30	4/22/21 22:45	4/22/21 22:59				
QC Batch No.:	210422GC8A2	210422GC8A2	210422GC8A2	210422GC8A2				
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	32	3.2	27	3.2
Carbon Dioxide	42	0.032	40	0.032	42	0.032	40	0.032
Oxygen/Argon	ND	1.6	ND	1.6	3.1	1.6	2.0	1.6
Nitrogen	21	3.2	8.6	3.2	11	3.2	6.8	3.2
Methane	35	0.0032	50	0.0032	11	0.0032	24	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032	0.044	0.0032	0.031	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch 210427GC8A3

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-37	M042105-38	M042105-39	M042105-40				
Client Sample I.D.:	GEW 218	GEW 145	GEW 242	GEW 221				
Date/Time Sampled:	4/9/21 8:28	4/9/21 8:39	4/9/21 9:52	4/9/21 10:25				
Date/Time Analyzed:	4/22/21 23:14	4/22/21 23:28	4/22/21 23:43	4/22/21 23:57				
QC Batch No.:	210422GC8A2	210422GC8A2	210422GC8A2	210422GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.3	3.2	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	18	3.2	20	3.3	18	3.2	2.6	d 0.034
Carbon Dioxide	54	0.032	42	0.033	29	0.032	48	0.034
Oxygen/Argon	ND	1.6	3.1	1.6	9.6	1.6	2.4	1.7
Nitrogen	15	3.2	11	3.3	33	3.2	17	3.4
Methane	11	0.0032	24	0.0033	9.2	0.0032	30	0.0034
Carbon Monoxide	0.049	0.0032	0.0060	0.0033	0.022	0.0032	0.0047	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch 210427GC8A3

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-41	M042105-42	M042105-43	M042105-44				
Client Sample I.D.:	GEW 68A	GEW 222	GEW 139	GEW 226				
Date/Time Sampled:	4/9/21 10:39	4/9/21 10:49	4/9/21 13:41	4/9/21 13:50				
Date/Time Analyzed:	4/23/21 2:36	4/23/21 2:51	4/23/21 6:35	4/23/21 6:50				
QC Batch No.:	210423GC8A1	210423GC8A1	210423GC8A1	210423GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.4	3.5	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	25	3.4	0.092 d	0.034	31	3.5	13	3.4
Carbon Dioxide	45	0.034	39	0.034	38	0.035	41	0.034
Oxygen/Argon	ND	1.7	ND	1.7	5.9	1.7	ND	1.7
Nitrogen	5.5	3.4	3.9	3.4	21	3.5	7.1	3.4
Methane	24	0.0034	56	0.0034	3.4	0.0035	38	0.0034
Carbon Monoxide	0.065	0.0034	ND	0.0034	0.12	0.0035	0.038	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210427GC8A3

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date 4/20/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-45	M042105-46	M042105-47	M042105-48				
Client Sample I.D.:	GEW 140	GEW 174	GEW 172	GEW 223				
Date/Time Sampled:	4/9/21 14:00	4/9/21 14:08	4/9/21 14:19	4/9/21 14:40				
Date/Time Analyzed:	4/23/21 7:04	4/23/21 7:19	4/23/21 7:33	4/23/21 7:48				
QC Batch No.:	210423GC8A1	210423GC8A1	210423GC8A1	210423GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.4	3.5	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	17	3.4	7.4	3.4	12	3.5	0.44 d	0.034
Carbon Dioxide	44	0.034	30	0.034	41	0.035	58	0.034
Oxygen/Argon	ND	1.7	1.7	1.7	1.8	1.7	ND	1.7
Nitrogen	4.7	3.4	46	3.4	8.1	3.5	4.8	3.4
Methane	32	0.0034	15	0.0034	37	0.0035	35	0.0034
Carbon Monoxide	0.039	0.0034	0.0097	0.0034	0.024	0.0035	0.0093	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210427GC8A3

Reviewed/Approved By: Mark Johnson
 Operations Manager

Date: 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-49	M042105-50	M042105-51	M042105-52				
Client Sample I.D.:	GEW 225	GEW 224	GEW 153	GEW 102				
Date/Time Sampled:	4/9/21 14:51	4/9/21 14:59	4/12/21 13:46	4/12/21 14:13				
Date/Time Analyzed:	4/23/21 8:02	4/23/21 8:17	4/23/21 8:54	4/23/21 9:08				
QC Batch No.:	210423GC8A1	210423GC8A1	210423GC8A1	210423GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.5	3.4	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	16	3.4	2.4 d	0.035	2.0 d	0.034	0.13 d	0.034
Carbon Dioxide	39	0.034	56	0.035	32	0.034	41	0.034
Oxygen/Argon	3.1	1.7	ND	1.7	ND	1.7	2.2	1.7
Nitrogen	18	3.4	ND	3.5	35	3.4	7.4	3.4
Methane	24	0.0034	37	0.0035	30	0.0034	49	0.0034
Carbon Monoxide	0.051	0.0034	0.020	0.0035	0.0056	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 210427GC8A3

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 4/20/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-53	M042105-54	M042105-55	M042105-56				
Client Sample I.D.:	GEW 101	GEW 181	GEW 100	GEW 171				
Date/Time Sampled:	4/12/21 14:27	4/12/21 14:37	4/12/21 14:49	4/13/21 15:14				
Date/Time Analyzed:	4/23/21 9:23	4/23/21 9:37	4/23/21 9:52	4/23/21 10:06				
QC Batch No.:	210423GC8A1	210423GC8A1	210423GC8A1	210423GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.4	3.3	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	0.034	ND d	0.034	6.7	3.3	18	3.2
Carbon Dioxide	63	0.034	67	0.034	34	0.033	53	0.032
Oxygen/Argon	ND	1.7	ND	1.7	6.2	1.6	1.8	1.6
Nitrogen	4.0	3.4	ND	3.4	25	3.3	6.8	3.2
Methane	32	0.0034	29	0.0034	28	0.0033	20	0.0032
Carbon Monoxide	ND	0.0034	ND	0.0034	0.0065	0.0033	0.048	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch number 210427GC8A3

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-57	M042105-58	M042105-59	M042105-60				
Client Sample I.D.:	GEW 144	GEW 251	GEW 220	GEW 43R				
Date/Time Sampled:	4/13/21 15:27	4/13/21 15:40	4/14/21 11:08	4/14/21 8:45				
Date/Time Analyzed:	4/23/21 10:21	4/23/21 10:35	4/23/21 10:50	4/23/21 11:05				
QC Batch No.:	210423GC8A1	210423GC8A1	210423GC8A1	210423GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.3	3.2	3.2				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	0.068 d	0.034	15	3.3	15	3.2	0.13 d	0.032
Carbon Dioxide	17	0.034	23	0.033	46	0.032	40	0.032
Oxygen/Argon	14	1.7	8.0	1.6	ND	1.6	ND	1.6
Nitrogen	49	3.4	50	3.3	5.2	3.2	8.0	3.2
Methane	19	0.0034	3.7	0.0033	32	0.0032	51	0.0032
Carbon Monoxide	ND	0.0034	0.023	0.0033	0.038	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 210427GC8A3, 210427GC8A4

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-61	M042105-62	M042105-63	M042105-64				
Client Sample I.D.:	GEW 44	GEW 45R	GEW 46R	GEW 2S				
Date/Time Sampled:	4/14/21 9:04	4/14/21 9:15	4/14/21 9:25	4/14/21 9:35				
Date/Time Analyzed:	4/23/21 13:22	4/23/21 13:37	4/23/21 13:51	4/23/21 14:06				
QC Batch No.:	210423GC8A2	210423GC8A2	210423GC8A2	210423GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.1	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	0.031	ND d	0.032	0.036 d	0.032	ND d	0.032
Carbon Dioxide	32	0.031	37	0.032	40	0.032	37	0.032
Oxygen/Argon	ND	1.5	ND	1.6	ND	1.6	ND	1.6
Nitrogen	29	3.1	11	3.2	7.6	3.2	9.0	3.2
Methane	38	0.0031	51	0.0032	51	0.0032	53	0.0032
Carbon Monoxide	ND	0.0031	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 210427GC8A3

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-65	M042105-66	M042105-67	M042105-68				
Client Sample I.D.:	GEW 2	GEW 3	GEW 4	GEW 53				
Date/Time Sampled:	4/14/21 9:46	4/14/21 10:01	4/14/21 10:11	4/16/21 9:33				
Date/Time Analyzed:	4/23/21 14:20	4/23/21 14:35	4/23/21 14:49	4/23/21 15:04				
QC Batch No.:	210423GC8A2	210423GC8A2	210423GC8A2	210423GC8A2				
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	0.040 d	0.032	4.0 d	0.032
Carbon Dioxide	40	0.032	42	0.032	40	0.032	41	0.032
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	8.9	3.2	4.8	3.2	5.5	3.2	6.3	3.2
Methane	51	0.0032	52	0.0032	54	0.0032	47	0.0032
Carbon Monoxide	ND	0.0032	ND	0.0032	ND	0.0032	0.0059	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch 210427GC8A3, 210427GC8A4

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-73	M042105-74	M042105-75	M042105-76				
Client Sample I.D.:	GEW 13A	GEW 88	GEW 86	GEW 87				
Date/Time Sampled:	4/5/21 9:59	4/5/21 10:14	4/5/21 10:33	4/5/21 10:45				
Date/Time Analyzed:	4/23/21 18:13	4/23/21 18:28	4/23/21 18:42	4/23/21 18:57				
QC Batch No.:	210423GC8A3	210423GC8A3	210423GC8A3	210423GC8A3				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.3	3.3	3.6				
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	26	3.4	44	3.3	14	3.3	28	3.6
Carbon Dioxide	59	0.034	40	0.033	21	0.033	61	0.036
Oxygen/Argon	ND	1.7	ND	1.6	6.3	1.6	ND	1.8
Nitrogen	5.2	3.4	11	3.3	51	3.3	ND	3.6
Methane	7.3	0.0034	1.8	0.0033	7.1	0.0033	3.7	0.0036
Carbon Monoxide	0.056	0.0034	0.074	0.0033	0.019	0.0033	0.061	0.0036

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 4/28/21

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: 04/21/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-77	M042105-78	M042105-79	M042105-80				
Client Sample I.D.:	GEW 15	GEW 148	GEW 246	GEW 232				
Date/Time Sampled:	4/5/21 10:58	4/5/21 11:08	4/5/21 11:20	4/5/21 11:30				
Date/Time Analyzed:	4/23/21 19:11	4/23/21 19:26	4/23/21 19:40	4/23/21 19:55				
QC Batch No.:	210423GC8A3	210423GC8A3	210423GC8A3	210423GC8A3				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.4	3.4	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	15	3.4	21	3.4	8.1	3.4	4.3 d	0.034
Carbon Dioxide	44	0.034	50	0.034	50	0.034	48	0.034
Oxygen/Argon	ND	1.7	ND	1.7	ND	1.7	2.1	1.7
Nitrogen	17	3.4	4.7	3.4	14	3.4	21	3.4
Methane	23	0.0034	23	0.0034	26	0.0034	23	0.0034
Carbon Monoxide	0.023	0.0034	0.062	0.0034	0.017	0.0034	0.014	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch 210427GC8A4

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 4/25/21

The cover letter is an integral part of this analytical report



Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-81	M042105-82	M042105-83	M042105-84				
Client Sample I.D.:	GEW 147	GEW 16R	GEW 238	GEW 113				
Date/Time Sampled:	4/5/21 14:01	4/5/21 14:10	4/5/21 14:20	4/5/21 14:30				
Date/Time Analyzed:	4/26/21 12:37	4/26/21 12:52	4/26/21 13:06	4/23/21 20:53				
QC Batch No.:	210426GC8A2	210426GC8A2	210426GC8A2	210423GC8A3				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.5	3.5	3.4	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	18	3.5	23	3.5	22	3.4	19	3.4
Carbon Dioxide	41	0.035	47	0.035	56	0.034	55	0.034
Oxygen/Argon	ND	1.7	ND	1.7	ND	1.7	ND	1.7
Nitrogen	26	3.5	19	3.5	9.0	3.4	11	3.4
Methane	14	0.0035	9.4	0.0035	11	0.0034	13	0.0034
Carbon Monoxide	0.033	0.0035	0.047	0.0035	0.048	0.0034	0.044	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

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: 04/21/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-85	M042105-86	M042105-87	M042105-88				
Client Sample I.D.:	GEW 135	GEW 233	GEW 134	GEW 250				
Date/Time Sampled:	4/5/21 14:46	4/5/21 14:57	4/5/21 15:11	4/5/21 15:21				
Date/Time Analyzed:	4/23/21 21:08	4/23/21 21:22	4/23/21 21:37	4/23/21 21:51				
QC Batch No.:	210423GC8A3	210423GC8A3	210423GC8A3	210423GC8A3				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.4	3.4	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	34	3.4	22	3.4	18	3.4	14	3.4
Carbon Dioxide	48	0.034	33	0.034	42	0.034	26	0.034
Oxygen/Argon	ND	1.7	3.6	1.7	ND	1.7	6.6	1.7
Nitrogen	13	3.4	35	3.4	25	3.4	50	3.4
Methane	3.2	0.0034	4.2	0.0034	12	0.0034	2.8	0.0034
Carbon Monoxide	0.057	0.0034	0.046	0.0034	0.037	0.0034	0.022	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-89	M042105-90	M042105-91	M042105-92				
Client Sample I.D.:	GIW 1	GIW 2	GIW 3	GIW 4				
Date/Time Sampled:	4/7/21 8:11	4/7/21 8:21	4/7/21 8:30	4/7/21 8:38				
Date/Time Analyzed:	4/23/21 22:06	4/23/21 22:20	4/26/21 16:19	4/26/21 16:34				
QC Batch No.:	210423GC8A3	210423GC8A3	210426GC8A2	210426GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.4	3.4	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	8.6	3.4	14	3.4	12	3.4	21	3.4
Carbon Dioxide	51	0.034	60	0.034	44	0.034	44	0.034
Oxygen/Argon	ND	1.7	ND	1.7	ND	1.7	ND	1.7
Nitrogen	7.0	3.4	8.0	3.4	16	3.4	8.1	3.4
Methane	32	0.0034	17	0.0034	26	0.0034	26	0.0034
Carbon Monoxide	0.023	0.0034	0.046	0.0034	0.031	0.0034	0.037	0.0034

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 4/28/21

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: 04/21/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-97	M042105-98	M042105-99	M042105-100				
Client Sample I.D.:	GIW 9	GIW 10	GIW 11	GIW 12				
Date/Time Sampled:	4/7/21 9:24	4/7/21 9:32	4/7/21 9:52	4/7/21 10:02				
Date/Time Analyzed:	4/26/21 8:29	4/26/21 8:44	4/26/21 8:58	4/26/21 9:13				
QC Batch No.:	210426GC8A1	210426GC8A1	210426GC8A1	210426GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.4	3.4	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	7.8	3.4	4.7 d	0.034	1.8 d	0.034	2.7 d	0.034
Carbon Dioxide	40	0.034	34	0.034	30	0.034	36	0.034
Oxygen/Argon	ND	1.7	ND	1.7	2.5	1.7	ND	1.7
Nitrogen	15	3.4	30	3.4	39	3.4	24	3.4
Methane	37	0.0034	30	0.0034	27	0.0034	36	0.0034
Carbon Monoxide	0.0048	0.0034	0.0060	0.0034	0.0055	0.0034	0.0039	0.0034

Results normalized including non-methane hydrocarbons

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d = Analyzed by secondary analysis, batch 210427GC8A4

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-101	M042105-102	M042105-103	M042105-104				
Client Sample I.D.:	GIW 13	GEW 110	GEW 10	GEW 56R				
Date/Time Sampled:	4/7/21 10:11	4/7/21 10:19	4/7/21 10:28	4/7/21 13:47				
Date/Time Analyzed:	4/26/21 9:27	4/26/21 9:42	4/26/21 11:43	4/26/21 12:19				
QC Batch No.:	210426GC8A1	210426GC8A1	210426GC8A2	210426GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.4	3.4	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	4.0 d	0.034	4.6 d	0.034	0.041 d	0.034	2.7 d	0.034
Carbon Dioxide	45	0.034	48	0.034	43	0.034	44	0.034
Oxygen/Argon	ND	1.7	ND	1.7	ND	1.7	ND	1.7
Nitrogen	3.4	3.4	ND	3.4	ND	3.4	5.9	3.4
Methane	47	0.0034	44	0.0034	54	0.0034	47	0.0034
Carbon Monoxide	0.0036	0.0034	0.0066	0.0034	ND	0.0034	ND	0.0034

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Operations Manager

Date: 4/28/21

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Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-105	M042105-106	M042105-107	M042105-108				
Client Sample I.D.:	GEW 39	GEW 109	GEW 108	GEW 187				
Date/Time Sampled:	4/7/21 13:57	4/7/21 14:06	4/7/21 14:16	4/7/21 14:25				
Date/Time Analyzed:	4/26/21 13:21	4/26/21 13:36	4/26/21 13:50	4/26/21 14:05				
QC Batch No.:	210426GC8A2	210426GC8A2	210426GC8A2	210426GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.4	3.4	3.4				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	ND d	0.034	0.13 d	0.034	11	3.4	0.98 d	0.034
Carbon Dioxide	37	0.034	39	0.034	45	0.034	51	0.034
Oxygen/Argon	ND	1.7	2.1	1.7	ND	1.7	ND	1.7
Nitrogen	28	3.4	12	3.4	ND	3.4	ND	3.4
Methane	33	0.0034	47	0.0034	40	0.0034	45	0.0034
Carbon Monoxide	ND	0.0034	ND	0.0034	0.014	0.0034	ND	0.0034

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

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Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-109	M042105-110	M042105-111	M042105-112				
Client Sample I.D.:	GEW 162	GEW 161	GEW 160	GEW 91				
Date/Time Sampled:	4/7/21 14:35	4/7/21 14:44	4/7/21 14:53	4/7/21 15:03				
Date/Time Analyzed:	4/26/21 14:19	4/26/21 14:34	4/26/21 14:48	4/26/21 15:03				
QC Batch No.:	210426GC8A2	210426GC8A2	210426GC8A2	210426GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	3.4	3.4	3.5				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	8.3	3.4	28	3.4	9.1	3.4	41	3.5
Carbon Dioxide	61	0.034	45	0.034	36	0.034	49	0.035
Oxygen/Argon	ND	1.7	ND	1.7	ND	1.7	ND	1.7
Nitrogen	7.6	3.4	9.7	3.4	22	3.4	ND	3.5
Methane	22	0.0034	16	0.0034	31	0.0034	2.7	0.0035
Carbon Monoxide	0.025	0.0034	0.049	0.0034	0.013	0.0034	0.029	0.0035

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Operations Manager

Date: 4/28/21

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Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 04/21/21
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-113	M042105-114	M042105-115	M042105-116				
Client Sample I.D.:	GEW 133	GEW 116	GEW 227	GEW 234				
Date/Time Sampled:	4/8/21 8:44	4/8/21 8:54	4/8/21 9:06	4/8/21 9:23				
Date/Time Analyzed:	4/26/21 15:17	4/26/21 15:32	4/26/21 15:46	4/26/21 16:01				
QC Batch No.:	210426GC8A2	210426GC8A2	210426GC8A2	210426GC8A2				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.3	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	14	3.3	0.53 d	0.032	32	3.2	15	3.2
Carbon Dioxide	48	0.033	58	0.032	39	0.032	35	0.032
Oxygen/Argon	ND	1.6	ND	1.6	1.9	1.6	ND	1.6
Nitrogen	21	3.3	3.4	3.2	24	3.2	34	3.2
Methane	16	0.0033	37	0.0032	2.6	0.0032	13	0.0032
Carbon Monoxide	0.037	0.0033	ND	0.0032	0.061	0.0032	0.034	0.0032

Results normalized including non-methane hydrocarbons

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 Mark Johnson
 Operations Manager

Date: 4/28/21

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 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-117	M042105-118	M042105-119	M042105-120				
Client Sample I.D.:	GEW 118	GEW 82R	GEW 132	GEW 117				
Date/Time Sampled:	4/8/21 9:34	4/8/21 9:47	4/8/21 9:56	4/8/21 10:14				
Date/Time Analyzed:	4/26/21 19:16	4/26/21 19:30	4/26/21 19:45	4/26/21 19:59				
QC Batch No.:	210426GC8A3	210426GC8A3	210426GC8A3	210426GC8A3				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.4	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	36	3.4	29	3.2	11	3.2	0.97 d	0.032
Carbon Dioxide	54	0.034	36	0.032	23	0.032	54	0.032
Oxygen/Argon	ND	1.7	ND	1.6	8.2	1.6	ND	1.6
Nitrogen	4.9	3.4	28	3.2	44	3.2	11	3.2
Methane	1.6	0.0034	5.0	0.0032	13	0.0032	33	0.0032
Carbon Monoxide	0.039	0.0034	0.066	0.0032	0.032	0.0032	0.0096	0.0032

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

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Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-121	M042105-122	M042105-123	M042105-124				
Client Sample I.D.:	GEW 19A	GEW 120	GEW 185	GEW 121				
Date/Time Sampled:	4/8/21 10:24	4/8/21 10:35	4/8/21 10:45	4/8/21 11:21				
Date/Time Analyzed:	4/26/21 20:14	4/26/21 20:28	4/26/21 20:43	4/26/21 20:58				
QC Batch No.:	210426GC8A3	210426GC8A3	210426GC8A3	210426GC8A3				
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	0.073 d	0.032	ND d	0.032	3.9 d	0.032
Carbon Dioxide	51	0.032	28	0.032	0.41	0.032	45	0.032
Oxygen/Argon	6.2	1.6	3.2	1.6	22	1.6	ND	1.6
Nitrogen	24	3.2	57	3.2	78	3.2	14	3.2
Methane	2.3	0.0032	12	0.0032	0.075	0.0032	36	0.0032
Carbon Monoxide	0.060	0.0032	ND	0.0032	ND	0.0032	0.014	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch 210427GC8A5

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

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Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-125	M042105-126	M042105-127	M042105-128
Client Sample I.D.:	GEW 235	GEW 163	GEW 123	GEW 164
Date/Time Sampled:	4/8/21 11:30	4/8/21 13:48	4/8/21 14:00	4/8/21 14:10
Date/Time Analyzed:	4/26/21 21:12	4/26/21 21:27	4/26/21 21:41	4/26/21 21:56
QC Batch No.:	210426GC8A3	210426GC8A3	210426GC8A3	210426GC8A3
Analyst Initials:	CM	CM	CM	CM
Dilution Factor:	3.2	3.2	3.2	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	22	3.2	ND d	0.032	0.27 d	0.032	ND d	0.033
Carbon Dioxide	54	0.032	60	0.032	57	0.032	50	0.033
Oxygen/Argon	ND	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	4.3	3.2	ND	3.2	3.7	3.2	8.6	3.3
Methane	18	0.0032	37	0.0032	38	0.0032	40	0.0033
Carbon Monoxide	0.029	0.0032	ND	0.0032	0.0034	0.0032	ND	0.0033

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

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Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-129	M042105-130	M042105-131	M042105-132				
Client Sample I.D.:	GEW 124	GEW 245	GEW 165	GEW 166				
Date/Time Sampled:	4/8/21 14:25	4/8/21 14:40	4/8/21 14:52	4/8/21 15:06				
Date/Time Analyzed:	4/26/21 22:10	4/26/21 22:25	4/26/21 22:39	4/26/21 22:54				
QC Batch No.:	210426GC8A3	210426GC8A3	210426GC8A3	210426GC8A3				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.3	3.3				
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	20	3.2	6.7	3.3	36	3.3
Carbon Dioxide	32	0.032	65	0.032	53	0.033	56	0.033
Oxygen/Argon	5.3	1.6	ND	1.6	2.3	1.6	ND	1.6
Nitrogen	19	3.2	ND	3.2	11	3.3	4.0	3.3
Methane	44	0.0032	11	0.0032	26	0.0033	2.0	0.0033
Carbon Monoxide	ND	0.0032	0.11	0.0032	0.018	0.0033	0.18	0.0033

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 4/28/21

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 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-133	M042105-134	M042105-135	M042105-136				
Client Sample I.D.:	GEW 122	GEW 125	GEW 168	GEW 243				
Date/Time Sampled:	4/8/21 15:17	4/9/21 8:35	4/9/21 8:47	4/9/21 8:56				
Date/Time Analyzed:	4/27/21 9:27	4/26/21 23:23	4/26/21 23:38	4/26/21 23:52				
QC Batch No.:	210427GC8A1	210426GC8A3	210426GC8A3	210426GC8A3				
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	11	3.2	ND d	0.032	ND d	0.032	3.2 d	0.032
Carbon Dioxide	38	0.032	35	0.032	43	0.032	41	0.032
Oxygen/Argon	ND	1.6	1.9	1.6	3.5	1.6	2.2	1.6
Nitrogen	8.2	3.2	24	3.2	13	3.2	28	3.2
Methane	42	0.0032	40	0.0032	40	0.0032	25	0.0032
Carbon Monoxide	0.032	0.0032	ND	0.0032	ND	0.0032	0.031	0.0032

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 4/28/21

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 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-137	M042105-138	M042105-139	M042105-140				
Client Sample I.D.:	GEW 126	GEW 169	GEW 127	GEW 170				
Date/Time Sampled:	4/9/21 9:09	4/9/21 9:25	4/9/21 9:36	4/9/21 9:45				
Date/Time Analyzed:	4/27/21 2:32	4/27/21 2:46	4/27/21 3:01	4/27/21 5:36				
QC Batch No.:	210427GC8A1	210427GC8A1	210427GC8A1	210427GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.3	3.4	3.3				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	0.24 d	0.032	7.0	3.3	17	3.4	4.6 d	0.033
Carbon Dioxide	30	0.032	47	0.033	51	0.034	26	0.033
Oxygen/Argon	2.1	1.6	1.9	1.6	ND	1.7	8.7	1.6
Nitrogen	40	3.2	9.5	3.3	3.6	3.4	48	3.3
Methane	28	0.0032	35	0.0033	26	0.0034	12	0.0033
Carbon Monoxide	ND	0.0032	0.032	0.0033	0.070	0.0034	0.026	0.0033


Results normalized including non-methane hydrocarbons

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RL = Reporting Limit

d = Analyzed by secondary analysis, batch 210427GC8A5

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 4/28/21

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Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-141	M042105-142	M042105-143	M042105-144				
Client Sample I.D.:	GEW 186	GEW 167	GEW 131	GEW 130				
Date/Time Sampled:	4/9/21 9:54	4/9/21 10:05	4/9/21 10:13	4/9/21 10:24				
Date/Time Analyzed:	4/27/21 5:50	4/27/21 6:05	4/27/21 6:19	4/27/21 6:34				
QC Batch No.:	210427GC8A1	210427GC8A1	210427GC8A1	210427GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.3	3.3	3.3	3.3				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	0.066 d	0.033	32	3.3	12	3.3	15	3.3
Carbon Dioxide	44	0.033	45	0.033	43	0.033	39	0.033
Oxygen/Argon	1.9	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	9.7	3.3	6.0	3.3	ND	3.3	22	3.3
Methane	44	0.0033	16	0.0033	42	0.0033	23	0.0033
Carbon Monoxide	ND	0.0033	0.11	0.0033	0.037	0.0033	0.069	0.0033

Results normalized including non-methane hydrocarbons

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Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 4/28/21

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Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-145	M042105-146	M042105-147	M042105-148				
Client Sample I.D.:	GEW 253	GEW 137	GEW 236	GEW 18B				
Date/Time Sampled:	4/12/21 9:07	4/12/21 9:17	4/12/21 9:30	4/12/21 9:58				
Date/Time Analyzed:	4/27/21 6:48	4/27/21 7:03	4/27/21 7:17	4/27/21 7:31				
QC Batch No.:	210427GC8A1	210427GC8A1	210427GC8A1	210427GC8A1				
Analyst Initials:	CM	CM	CM	CM				
Dilution Factor:	3.2	3.2	3.2	3.3				
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Hydrogen	3.8 d	0.032	ND d	0.032	47	3.2	44	3.3
Carbon Dioxide	10	0.032	43	0.032	38	0.032	48	0.033
Oxygen/Argon	14	1.6	ND	1.6	2.9	1.6	ND	1.6
Nitrogen	72	3.2	16	3.2	9.9	3.2	ND	3.3
Methane	0.28	0.0032	40	0.0032	1.1	0.0032	1.5	0.0033
Carbon Monoxide	0.0087	0.0032	ND	0.0032	0.034	0.0032	0.046	0.0033

Results normalized including non-methane hydrocarbons

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RL = Reporting Limit

d = Analyzed by secondary analysis, batch 210427GC8A5

Reviewed/Approved By: Mark Johnson Date 4/28/21
 Mark Johnson
 Operations Manager

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-149	M042105-150	M042105-151	M042105-152				
Client Sample I.D.:	GEW 240	GEW 78R	GEW 244	GEW 129				
Date/Time Sampled:	4/12/21 10:13	4/12/21 10:23	4/12/21 10:39	4/12/21 10:55				
Date/Time Analyzed:	4/27/21 7:46	4/27/21 8:00	4/27/21 8:15	4/27/21 8:29				
QC Batch No.:	210427GC8A1	210427GC8A1	210427GC8A1	210427GC8A1				
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	11	3.2	16	3.2	2.3 d	0.032	1.6 d	0.032
Carbon Dioxide	22	0.032	36	0.032	50	0.032	50	0.032
Oxygen/Argon	4.6	1.6	ND	1.6	ND	1.6	ND	1.6
Nitrogen	61	3.2	22	3.2	16	3.2	12	3.2
Methane	1.5	0.0032	25	0.0032	31	0.0032	35	0.0032
Carbon Monoxide	0.015	0.0032	0.039	0.0032	0.012	0.0032	0.012	0.0032

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch 210427GC8A5

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date: 4/28/21

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: 04/21/21
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

Lab No.:	M042105-153	M042105-154	M042105-155					
Client Sample I.D.:	GEW 177	GEW 179	GEW 180					
Date/Time Sampled:	4/12/21 11:04	4/12/21 11:27	4/12/21 11:36					
Date/Time Analyzed:	4/27/21 8:44	4/27/21 8:58	4/27/21 9:13					
QC Batch No.:	210427GC8A1	210427GC8A1	210427GC8A1					
Analyst Initials:	CM	CM	CM					
Dilution Factor:	3.3	3.2	3.3					
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v		
Hydrogen	11	3.3	ND d	0.032	ND d	0.033		
Carbon Dioxide	46	0.033	40	0.032	58	0.033		
Oxygen/Argon	1.9	1.6	2.1	1.6	ND	1.6		
Nitrogen	17	3.3	19	3.2	3.8	3.3		
Methane	23	0.0033	38	0.0032	37	0.0033		
Carbon Monoxide	0.052	0.0033	ND	0.0032	ND	0.0033		

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Analyzed by secondary analysis, batch 210427GC8A5

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 4/28/21

The cover letter is an integral part of this analytical report



QC Batch No: 210426GC8A1

Matrix: Air

Reporting Units: % v/v

**ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	4/26/21 7:01			4/26/21 7:15		4/26/21 7:30					
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	5.74	115	5.73	115	0.3	70	130	30
Carbon Dioxide	ND	0.010	10	10.1	101	10.1	101	0.1	70	130	30
Oxygen/Argon	ND	0.50	15	15.7	106	15.7	106	0.4	70	130	30
Nitrogen	ND	1.0	70	70.3	100	70.5	101	0.4	70	130	30
Methane	ND	0.0010	0.10	0.0972	97	0.0973	97	0.1	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.0907	91	0.0909	91	0.3	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

Mark Johnson
Mark Johnson
Operations Manager

Date _____

4/28/21

The cover letter is an integral part of this analytical report



QC Batch No: 210426GC8A3

Matrix: Air

Reporting Units: % v/v

**ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	4/26/21 18:17			4/26/21 18:32		4/26/21 18:46					
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	5.42	108	5.42	108	0.0	70	130	30
Carbon Dioxide	ND	0.010	10	10.6	106	10.3	103	3.3	70	130	30
Oxygen/Argon	ND	0.50	15	15.1	102	15.5	105	2.7	70	130	30
Nitrogen	ND	1.0	70	69.3	99	70.1	100	1.2	70	130	30
Methane	ND	0.0010	0.10	0.0989	99	0.0985	98	0.5	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.0992	99	0.0989	99	0.3	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

Mark Johnson
Mark Johnson
Operations Manager

Date _____

4/28/21

The cover letter is an integral part of this analytical report



QC Batch No: 210427GC8A1
Matrix: Air
Reporting Units: % v/v

**ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	4/27/21 1:34			4/27/21 2:03		4/27/21 2:17					
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	5.25	105	5.23	105	0.4	70	130	30
Carbon Dioxide	ND	0.010	10	9.88	99	9.86	98	0.3	70	130	30
Oxygen/Argon	ND	0.50	15	15.9	107	15.9	107	0.2	70	130	30
Nitrogen	ND	1.0	70	70.8	101	71.0	101	0.3	70	130	30
Methane	ND	0.0010	0.10	0.0982	98	0.0976	98	0.6	70	130	30
Carbon Monoxide	ND	0.0010	0.10	0.0984	98	0.0977	98	0.7	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: Mark Johnson
Operations Manager

Date: 4/28/21

The cover letter is an integral part of this analytical report



QC Batch No: 210427GC8A5

Matrix: Air

Reporting Units: % v/v

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

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	4/27/21 18:08			4/27/21 17:58		4/27/21 18:03					
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	0.872	87	0.871	87	0.2	70	130	30

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

Mark Johnson
Mark Johnson
Operations Manager

Date _____

4/28/21

The cover letter is an integral part of this analytical report



ATTACHMENT D

GAS WELLFIELD DATA

ATTACHMENT D-1

WELLFIELD DATA TABLE

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-002	4/6/2021 10:43:07 AM	51.5	39.6	0.0	8.9	111.2	111.3	19.93	19.93	-0.80	-0.80	-13.95
GEW-002	4/14/2021 9:42:44 AM	53.2	38.3	0.0	8.5	110.2	110.2	21.64	21.64	-0.74	-0.74	-14.28
GEW-002	4/14/2021 9:49:09 AM	52.6	39.7	0.0	7.7	110.5	110.5	18.78	18.22	-0.65	-0.64	-14.49
GEW-002	4/19/2021 11:23:10 AM	53.8	38.7	0.0	7.5	111.0	110.8	16.39	18.08	-0.78	-0.80	-14.74
GEW-002	4/27/2021 10:51:38 AM	52.9	38.6	0.0	8.5	111.3	111.3	24.39	24.08	-0.78	-0.77	-13.44
GEW-003	4/6/2021 10:47:07 AM	53.1	43.1	0.0	3.8	112.7	112.4	2.00	2.00	-0.11	-0.11	-13.10
GEW-003	4/14/2021 9:53:38 AM	54.5	41.3	0.0	4.2	98.4	98.5	4.73	4.73	-0.01	-0.01	-13.48
GEW-003	4/14/2021 10:03:40 AM	54.7	41.2	0.0	4.1	99.7	99.7	8.18	8.62	-0.04	-0.04	-13.48
GEW-003	4/19/2021 11:26:20 AM	55.6	39.1	0.0	5.3	105.2	105.3	6.06	3.84	-0.32	-0.32	-13.90
GEW-003	4/27/2021 10:55:25 AM	54.2	40.9	0.0	4.9	115.1	115.3	17.88	17.88	-0.19	-0.19	-13.14
GEW-004	4/6/2021 10:49:55 AM	51.9	41.6	0.0	6.5	109.8	109.7	9.96	9.19	-0.31	-0.32	-13.59
GEW-004	4/14/2021 10:08:10 AM	55.2	40.2	0.0	4.6	108.8	108.7	13.52	15.45	-0.13	-0.14	-14.03
GEW-004	4/14/2021 10:14:15 AM	55.9	39.2	0.0	4.9	109.0	108.7	16.16	15.05	-0.24	-0.24	-13.90
GEW-004	4/19/2021 11:30:00 AM	57.1	39.6	0.0	3.3	108.9	109.0	13.82	13.82	-0.31	-0.31	-14.32
GEW-004	4/27/2021 10:59:28 AM	55.8	40.6	0.0	3.6	110.2	110.2	17.94	18.15	-0.22	-0.23	-13.52
GEW-005	4/1/2021 9:57:43 AM	47.3	36.9	0.0	15.8	67.9	67.7	6.88	6.88	-0.50	-0.52	-14.14
GEW-005	4/1/2021 10:04:20 AM	47.6	36.5	0.0	15.9	67.5	67.3	6.29	6.29	-0.45	-0.45	-13.83
GEW-005	4/6/2021 10:57:48 AM	53.5	40.3	0.0	6.2	81.3	81.4	5.93	5.23	0.04	0.04	-13.46
GEW-005	4/6/2021 10:59:09 AM	53.7	39.7	0.0	6.6	81.7	81.7	7.11	7.63	0.04	0.04	-13.59
GEW-005	4/7/2021 8:09:28 AM	56.0	39.4	0.0	4.6	77.9	77.9	4.41	5.21	0.10	0.10	-13.28
GEW-005	4/7/2021 8:11:25 AM	56.0	39.5	0.0	4.5	78.7	78.7	9.93	7.88	0.07	0.07	-13.71
GEW-005	4/7/2021 2:21:44 PM	56.9	38.8	0.0	4.3	80.7	80.7	7.36	6.81	0.27	0.26	-13.95
GEW-005	4/7/2021 2:23:17 PM	57.1	38.4	0.0	4.5	79.5	79.4	4.82	4.82	0.32	0.32	-13.83
GEW-005	4/11/2021 8:40:18 AM	57.7	41.1	0.0	1.2	51.1	51.2	8.09	8.09	0.22	0.22	-13.65
GEW-005	4/11/2021 8:42:26 AM	58.0	40.3	0.0	1.7	52.4	52.5	12.17	12.15	0.19	0.20	-13.59
GEW-005	4/12/2021 10:18:14 AM	58.7	39.2	0.0	2.1	67.9	68.3	10.29	10.29	-0.38	-0.37	-13.71
GEW-005	4/12/2021 10:19:39 AM	58.6	38.8	0.0	2.6	68.7	68.7	10.28	10.28	-0.37	-0.37	-13.65
GEW-005	4/14/2021 10:35:26 AM	58.4	40.2	0.0	1.4	69.3	69.4	6.87	6.87	0.27	0.25	-13.48
GEW-005	4/14/2021 10:36:49 AM	58.7	39.3	0.0	2.0	69.5	69.5	10.50	10.50	0.25	0.25	-13.48
GEW-005	4/15/2021 8:16:04 AM	59.1	39.8	0.0	1.1	60.9	61.1	6.69	6.72	0.03	0.02	-13.48
GEW-005	4/15/2021 8:18:18 AM	59.4	39.2	0.0	1.4	61.4	61.4	6.92	6.92	0.02	0.02	-13.48
GEW-005	4/16/2021 9:54:21 AM	59.1	39.3	0.0	1.6	65.1	65.1	7.97	7.97	0.53	0.53	-13.69
GEW-005	4/16/2021 9:56:46 AM	59.1	39.8	0.0	1.1	66.8	66.8	8.44	7.96	0.51	0.51	-13.69
GEW-005	4/19/2021 9:03:01 AM	59.8	39.1	0.0	1.1	71.2	71.4	2.34	1.77	0.02	0.03	-13.69
GEW-005	4/19/2021 9:04:35 AM	60.0	37.9	0.0	2.1	71.5	71.6	3.31	3.31	0.05	0.05	-13.40
GEW-005	4/20/2021 8:14:14 AM	58.7	39.4	0.0	1.9	60.9	61.0	4.56	3.57	-0.19	-0.19	-13.69
GEW-005	4/20/2021 8:15:36 AM	59.2	38.6	0.0	2.2	61.6	61.6	6.68	6.68	-0.18	-0.17	-13.69
GEW-005	4/27/2021 11:08:00 AM	57.8	40.2	0.0	2.0	80.3	80.3	17.82	17.15	0.21	0.21	-13.48
GEW-005	4/27/2021 11:09:33 AM	58.2	39.1	0.0	2.7	81.9	81.9	17.35	18.00	0.15	0.16	-13.82
GEW-005	4/28/2021 7:45:08 AM	58.4	38.3	0.0	3.3	79.8	79.8	5.55	5.55	-0.42	-0.42	-13.73
GEW-006	4/1/2021 10:23:17 AM	53.3	37.9	0.0	8.8	76.9	77.3	16.70	16.70	-0.90	-0.90	-13.95

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-006	4/1/2021 10:29:43 AM	53.7	38.5	0.0	7.8	77.3	77.3	13.05	14.46	-0.91	-0.93	-14.20
GEW-006	4/6/2021 11:06:15 AM	53.5	39.5	0.0	7.0	82.4	82.4	17.21	17.21	-0.40	-0.40	-13.40
GEW-006	4/7/2021 2:32:14 PM	56.6	38.0	0.0	5.4	82.1	82.2	18.62	17.99	-0.06	-0.06	-13.89
GEW-006	4/7/2021 2:34:02 PM	57.1	37.2	0.0	5.7	81.0	81.0	4.82	3.93	0.37	0.37	-13.59
GEW-006	4/11/2021 8:12:13 AM	58.4	39.8	0.0	1.8	50.7	50.7	8.58	9.05	0.24	0.24	-13.71
GEW-006	4/11/2021 8:14:28 AM	58.6	39.4	0.0	2.0	56.4	56.3	11.02	10.26	0.17	0.18	-13.77
GEW-006	4/12/2021 9:08:07 AM	58.9	38.7	0.0	2.4	70.5	70.4	9.47	9.04	-0.38	-0.37	-13.65
GEW-006	4/12/2021 9:51:00 AM	58.8	38.8	0.0	2.4	71.3	71.3	10.26	10.26	-0.26	-0.26	-13.65
GEW-006	4/14/2021 10:47:21 AM	58.6	38.6	0.0	2.8	73.2	73.2	10.46	10.83	0.28	0.28	-13.48
GEW-006	4/14/2021 10:49:13 AM	58.7	38.7	0.0	2.6	73.6	73.6	10.46	10.08	0.28	0.27	-13.48
GEW-006	4/15/2021 8:28:46 AM	59.1	38.9	0.0	2.0	68.2	68.2	6.28	7.43	0.09	0.08	-13.48
GEW-006	4/15/2021 8:30:25 AM	59.2	38.6	0.0	2.2	68.5	68.4	7.43	8.42	0.05	0.04	-13.48
GEW-006	4/16/2021 10:05:30 AM	58.9	38.4	0.0	2.7	73.0	72.8	8.40	9.28	0.61	0.62	-13.90
GEW-006	4/16/2021 10:07:19 AM	59.0	38.4	0.0	2.6	79.3	79.4	19.06	18.65	0.32	0.32	-14.15
GEW-006	4/19/2021 9:15:17 AM	59.4	37.5	0.0	3.1	80.8	80.8	16.63	16.17	-0.32	-0.32	-13.94
GEW-006	4/19/2021 9:16:44 AM	59.4	37.1	0.0	3.5	81.0	81.0	17.31	16.40	-0.28	-0.29	-14.07
GEW-006	4/27/2021 11:18:05 AM	58.0	38.6	0.0	3.4	83.3	83.3	24.43	24.44	-0.08	-0.08	-13.69
GEW-007	4/5/2021 10:02:22 AM	55.7	39.9	0.0	4.4	89.1	89.1	10.16	9.79	-6.41	-6.41	-13.89
GEW-007	4/5/2021 10:08:08 AM	55.8	40.8	0.0	3.4	89.2	89.1	10.87	10.17	-6.07	-6.07	-13.71
GEW-007	4/13/2021 10:08:16 AM	55.3	40.4	0.0	4.3	87.2	86.3	9.75	11.36	-5.74	-5.74	-13.95
GEW-007	4/19/2021 10:04:26 AM	56.4	40.3	0.0	3.3	89.1	89.1	9.79	9.79	-5.67	-5.67	-13.69
GEW-007	4/27/2021 8:44:49 AM	55.4	40.3	0.0	4.3	89.3	89.4	18.44	18.44	-5.75	-5.75	-13.73
GEW-008	4/5/2021 10:13:56 AM	52.8	42.2	0.0	5.0	110.8	110.7	15.03	15.27	-0.94	-0.94	-13.89
GEW-008	4/5/2021 10:20:22 AM	52.7	42.9	0.0	4.4	110.9	111.0	12.66	14.20	-0.90	-0.91	-13.95
GEW-008	4/13/2021 10:13:49 AM	52.8	42.5	0.0	4.7	109.4	109.1	13.23	15.04	-1.09	-1.08	-14.20
GEW-008	4/19/2021 10:08:28 AM	54.0	41.0	0.0	5.0	110.2	110.4	15.01	15.01	-0.89	-0.89	-13.86
GEW-008	4/27/2021 8:49:38 AM	52.9	41.2	0.0	5.9	110.9	110.5	16.64	17.70	-0.90	-0.90	-13.82
GEW-009	4/5/2021 10:25:07 AM	49.1	40.4	0.0	10.5	121.0	121.3	11.37	9.67	-0.11	-0.11	-13.77
GEW-009	4/5/2021 10:31:13 AM	49.3	41.7	0.0	9.0	121.0	121.0	8.04	8.48	-0.10	-0.09	-13.95
GEW-009	4/13/2021 10:17:42 AM	49.1	41.4	0.0	9.5	119.2	118.9	9.30	8.05	-0.19	-0.19	-14.14
GEW-009	4/13/2021 10:20:19 AM	49.2	41.3	0.0	9.5	118.4	118.1	6.58	7.11	-0.16	-0.16	-13.95
GEW-009	4/19/2021 10:13:06 AM	52.2	40.7	0.0	7.1	121.3	121.1	6.55	6.55	-0.01	-0.02	-14.07
GEW-009	4/27/2021 8:53:33 AM	50.9	41.8	0.0	7.3	122.5	122.0	16.51	16.73	-0.07	-0.07	-13.56
GEW-010	4/7/2021 10:25:32 AM	57.4	42.6	0.0	0.0	85.2	85.1	3.96	4.85	-4.86	-4.86	-18.73
GEW-010	4/7/2021 10:29:53 AM	58.6	41.4	0.0	0.0	83.7	83.8	3.24	3.03	-4.92	-4.92	-18.86
GEW-010	4/15/2021 1:50:28 PM	58.5	41.5	0.0	0.0	86.1	86.1	3.98	1.62	-4.78	-4.78	-18.85
GEW-010	4/15/2021 1:51:43 PM	57.7	41.2	0.0	1.1	87.9	88.2	6.35	9.25	-6.75	-6.75	-18.48
GEW-010	4/21/2021 2:18:45 PM	55.5	44.2	0.0	0.3	85.1	85.1	5.18	5.18	-9.12	-9.12	-19.37
GEW-010	4/28/2021 7:28:39 AM	54.8	45.2	0.0	0.0	88.5	88.6	2.25	2.75	-8.99	-8.99	-19.79
GEW-013A	4/5/2021 9:56:03 AM	8.9	68.1	0.0	23.0	194.4	194.3	11.35	12.02	-2.03	-2.03	-20.34
GEW-013A	4/5/2021 10:02:19 AM	8.9	69.3	0.0	21.8	194.4	194.7	11.22	11.22	-2.08	-2.08	-20.08

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-013A	4/19/2021 10:10:45 AM	14.4	67.9	0.0	17.7	191.0	190.9	12.74	9.55	-3.64	-3.64	-19.45
GEW-013A	4/19/2021 10:11:58 AM	15.0	63.7	0.0	21.3	190.9	190.9	10.82	9.01	-3.68	-3.66	-19.37
GEW-015	4/5/2021 10:55:04 AM	26.8	53.2	0.0	20.0	111.2	111.2	5.89	5.58	-3.72	-3.72	-18.82
GEW-015	4/5/2021 11:00:52 AM	30.7	49.4	0.0	19.9	111.2	111.2	4.24	4.24	-3.66	-3.66	-18.77
GEW-015	4/22/2021 10:02:33 AM	26.1	52.5	0.1	21.3	101.3	101.1	5.33	4.72	-4.27	-4.27	-18.99
GEW-016R	4/5/2021 2:07:26 PM	24.4	53.5	0.0	22.1	146.8	146.6	6.47	6.79	-1.38	-1.38	-18.35
GEW-016R	4/5/2021 2:13:08 PM	25.3	53.2	0.0	21.5	147.3	147.4	7.46	6.78	-1.45	-1.44	-18.73
GEW-016R	4/19/2021 10:40:59 AM	17.6	57.0	0.0	25.4	137.0	137.1	6.04	7.87	-1.58	-1.58	-18.82
GEW-016R	4/19/2021 10:41:54 AM	18.6	56.9	0.0	24.5	137.1	137.4	6.65	7.87	-1.58	-1.57	-18.82
GEW-018B	4/12/2021 9:54:47 AM	1.8	61.4	0.0	36.8	199.3	198.6	40.65	40.47	-0.24	-0.23	-19.70
GEW-018B	4/12/2021 10:03:25 AM	1.9	60.4	0.0	37.7	197.2	195.7	29.17	29.55	-0.25	-0.25	-19.11
GEW-018B	4/19/2021 2:33:10 PM	1.7	57.8	0.0	40.5	199.3	199.3	36.96	37.31	1.15	1.16	-18.10
GEW-018B	4/19/2021 2:42:48 PM	1.6	58.4	0.1	39.9	199.3	199.3	53.05	53.16	-0.02	-0.03	-18.31
GEW-019A	4/8/2021 10:21:36 AM	2.8	68.9	3.6	24.7	67.9	68.0	1.99	1.99	-15.79	-15.79	-19.41
GEW-019A	4/8/2021 10:28:00 AM	2.6	63.2	4.9	29.3	67.7	67.7	1.99	1.99	-15.87	-15.87	-19.15
GEW-019A	4/22/2021 10:50:19 AM	2.1	56.3	7.5	34.1	68.8	68.7	1.15	1.15	-14.86	-14.86	-18.60
GEW-019A	4/22/2021 10:51:07 AM	2.3	57.0	6.2	34.5	68.4	68.3	3.64	4.45	-14.86	-14.86	-18.52
GEW-039	4/7/2021 1:53:48 PM	40.5	37.7	0.0	21.8	99.9	100.0	9.40	7.67	-0.08	-0.09	-18.90
GEW-039	4/7/2021 1:58:51 PM	40.1	36.8	0.1	23.0	100.1	100.1	10.50	10.85	-0.07	-0.08	-18.73
GEW-039	4/15/2021 2:09:56 PM	37.3	35.3	0.2	27.2	98.9	98.9	7.72	9.05	-0.10	-0.10	-19.29
GEW-039	4/21/2021 2:24:49 PM	30.8	35.3	0.6	33.3	97.3	97.2	9.02	7.69	-0.05	-0.05	-19.37
GEW-039	4/28/2021 7:34:29 AM	25.3	33.4	2.5	38.8	99.1	99.1	11.19	9.00	-0.10	-0.10	-20.08
GEW-040	4/5/2021 11:10:33 AM	56.7	34.9	0.0	8.4	77.3	77.5	5.18	6.51	-0.20	-0.21	-13.40
GEW-040	4/5/2021 11:16:16 AM	57.0	34.0	0.0	9.0	78.2	78.2	3.94	3.94	-0.21	-0.21	-13.34
GEW-040	4/13/2021 10:53:40 AM	53.4	35.4	0.0	11.2	60.9	61.0	5.22	3.69	-0.20	-0.19	-13.71
GEW-040	4/13/2021 10:55:46 AM	53.7	34.2	0.0	12.1	61.1	61.1	6.33	6.93	-0.15	-0.15	-13.71
GEW-040	4/19/2021 10:42:13 AM	61.6	34.5	0.0	3.9	69.3	69.3	2.80	2.80	-0.20	-0.20	-13.23
GEW-040	4/19/2021 10:44:01 AM	61.9	33.5	0.0	4.6	69.2	69.2	6.27	7.41	-0.35	-0.34	-13.69
GEW-040	4/27/2021 10:13:01 AM	47.6	33.3	0.0	19.1	81.7	81.7	15.21	16.19	-0.30	-0.29	-13.23
GEW-040	4/27/2021 10:14:23 AM	47.8	33.3	0.0	18.9	81.9	81.9	15.70	15.70	-0.35	-0.35	-13.18
GEW-041R	4/5/2021 11:21:28 AM	48.2	34.1	0.0	17.7	89.1	89.1	8.27	7.30	-0.03	-0.03	-13.34
GEW-041R	4/5/2021 11:27:24 AM	47.7	34.5	0.0	17.8	91.7	91.5	5.50	5.50	-0.04	-0.04	-13.34
GEW-041R	4/13/2021 11:00:38 AM	50.7	34.2	0.0	15.1	67.9	67.9	8.89	9.33	-0.09	-0.09	-13.71
GEW-041R	4/13/2021 11:03:17 AM	50.4	35.1	0.0	14.5	68.4	68.3	9.09	9.66	-0.12	-0.12	-13.71
GEW-041R	4/19/2021 10:47:12 AM	51.3	33.2	0.0	15.5	76.2	76.6	2.79	2.79	-0.10	-0.10	-13.69
GEW-041R	4/27/2021 10:18:34 AM	51.0	33.6	0.0	15.4	88.1	88.6	17.02	16.80	-0.05	-0.06	-13.23
GEW-042R	4/5/2021 11:31:15 AM	54.1	37.7	0.0	8.2	98.2	98.1	9.03	8.61	-2.02	-2.03	-13.40
GEW-042R	4/5/2021 11:36:13 AM	54.3	38.0	0.0	7.7	98.4	98.3	5.44	7.20	-2.01	-2.02	-13.40
GEW-042R	4/13/2021 11:07:41 AM	55.0	38.2	0.0	6.8	94.8	94.8	4.73	5.46	-1.99	-1.99	-13.65
GEW-042R	4/19/2021 10:50:38 AM	57.0	37.2	0.0	5.8	96.2	96.3	4.72	2.72	-1.79	-1.78	-13.35
GEW-042R	4/27/2021 10:21:56 AM	56.4	37.7	0.0	5.9	97.9	97.9	16.58	16.58	-1.65	-1.64	-13.14

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

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		(% vol)				°F		scfm		H ₂ O		
GEW-043R	4/6/2021 10:22:09 AM	53.4	40.4	0.0	6.2	113.5	113.5	15.34	15.34	-1.55	-1.55	-13.34
GEW-043R	4/13/2021 11:14:11 AM	53.8	40.6	0.0	5.6	112.7	113.0	16.14	16.36	-1.67	-1.66	-14.14
GEW-043R	4/14/2021 8:42:09 AM	54.0	39.3	0.0	6.7	113.0	113.0	19.73	19.36	-1.58	-1.59	-14.28
GEW-043R	4/14/2021 8:48:05 AM	53.9	39.4	0.0	6.7	113.0	113.0	15.66	17.19	-1.58	-1.57	-14.15
GEW-043R	4/19/2021 10:54:58 AM	55.3	39.5	0.0	5.2	113.3	113.1	13.15	13.15	-1.50	-1.50	-13.98
GEW-043R	4/27/2021 10:25:14 AM	53.7	39.5	0.0	6.8	113.8	113.7	17.84	18.63	-1.41	-1.41	-13.73
GEW-044	4/6/2021 10:27:12 AM	35.4	34.0	0.0	30.6	82.8	82.8	1.09	1.21	-0.33	-0.33	-13.34
GEW-044	4/6/2021 10:29:16 AM	35.1	33.5	0.0	31.4	83.3	83.3	0.62	0.62	-0.13	-0.12	-13.28
GEW-044	4/13/2021 11:23:15 AM	36.5	33.3	0.0	30.2	69.8	69.9	1.39	1.39	-0.21	-0.22	-13.71
GEW-044	4/13/2021 11:25:05 AM	36.9	33.2	0.0	29.9	70.0	70.0	0.74	0.74	-0.21	-0.21	-13.65
GEW-044	4/14/2021 9:01:05 AM	38.8	33.4	0.0	27.8	59.0	59.0	1.40	1.40	-0.14	-0.14	-13.48
GEW-044	4/14/2021 9:06:50 AM	39.4	32.5	0.0	28.1	60.6	60.6	0.53	0.53	-0.14	-0.15	-13.48
GEW-044	4/19/2021 10:58:05 AM	41.9	32.5	0.0	25.6	74.6	74.7	0.52	0.52	-0.15	-0.15	-13.69
GEW-044	4/19/2021 10:59:28 AM	41.5	32.5	0.0	26.0	75.1	75.1	1.38	1.38	-0.11	-0.11	-13.35
GEW-044	4/27/2021 10:29:23 AM	41.6	33.2	0.0	25.2	83.8	83.9	3.07	3.07	-0.02	-0.03	-13.44
GEW-045R	4/6/2021 10:32:40 AM	51.7	38.4	0.0	9.9	92.2	92.2	4.34	4.34	-4.92	-4.92	-13.28
GEW-045R	4/6/2021 10:34:09 AM	51.6	38.8	0.0	9.6	92.1	92.0	6.41	5.80	-4.60	-4.58	-13.46
GEW-045R	4/13/2021 11:32:33 AM	52.7	38.4	0.0	8.9	89.8	89.8	7.73	9.48	-4.70	-4.68	-13.34
GEW-045R	4/14/2021 9:12:06 AM	53.5	37.6	0.0	8.9	88.9	88.8	5.45	5.45	-4.47	-4.47	-13.48
GEW-045R	4/14/2021 9:18:12 AM	53.7	37.7	0.0	8.6	89.7	89.7	9.03	7.70	-4.55	-4.55	-13.35
GEW-045R	4/19/2021 11:10:13 AM	55.2	39.2	0.0	5.6	91.2	90.7	8.15	8.15	-4.70	-4.71	-13.40
GEW-045R	4/27/2021 10:40:24 AM	53.5	38.0	0.0	8.5	92.9	92.9	16.54	15.86	-4.58	-4.57	-13.44
GEW-046R	4/6/2021 10:37:18 AM	52.1	40.3	0.0	7.6	95.6	95.8	7.02	6.46	-0.07	-0.08	-13.34
GEW-046R	4/14/2021 9:22:31 AM	53.6	40.0	0.0	6.4	90.3	90.5	6.74	6.74	-0.04	-0.04	-13.48
GEW-046R	4/14/2021 9:31:04 AM	53.3	40.0	0.0	6.7	91.3	91.4	8.24	8.24	-0.05	-0.05	-13.48
GEW-046R	4/19/2021 11:13:17 AM	54.6	39.0	0.0	6.4	93.9	94.0	7.25	5.48	-0.04	-0.04	-13.69
GEW-046R	4/27/2021 10:43:27 AM	53.6	39.8	0.0	6.6	96.2	96.2	17.97	17.97	-0.07	-0.06	-13.44
GEW-047R	4/1/2021 9:46:10 AM	48.2	37.6	0.0	14.2	76.2	75.9	6.83	7.89	-0.49	-0.49	-13.83
GEW-047R	4/1/2021 9:52:24 AM	48.8	38.5	0.0	12.7	79.4	79.6	5.56	5.56	-0.50	-0.50	-13.77
GEW-047R	4/6/2021 10:54:53 AM	50.0	42.1	0.0	7.9	96.7	96.7	5.09	5.16	-0.01	-0.01	-13.53
GEW-047R	4/7/2021 2:16:37 PM	54.4	40.5	0.0	5.1	93.8	93.9	8.47	7.94	0.13	0.12	-13.89
GEW-047R	4/7/2021 2:18:33 PM	54.6	40.6	0.0	4.8	88.9	88.4	2.76	2.76	0.25	0.24	-13.59
GEW-047R	4/11/2021 8:33:28 AM	54.6	44.0	0.0	1.4	51.8	51.8	8.08	8.08	0.11	0.11	-13.71
GEW-047R	4/11/2021 8:35:36 AM	54.3	44.4	0.0	1.3	54.7	54.9	17.82	17.53	0.08	0.08	-13.53
GEW-047R	4/12/2021 10:12:11 AM	52.5	40.1	0.0	7.4	73.6	73.2	3.31	1.77	-0.33	-0.34	-13.16
GEW-047R	4/14/2021 10:29:55 AM	53.0	41.4	0.0	5.6	77.3	76.6	10.42	10.79	0.21	0.21	-13.48
GEW-047R	4/14/2021 10:31:40 AM	53.3	40.7	0.0	6.0	77.1	76.9	10.42	10.42	0.21	0.21	-13.48
GEW-047R	4/15/2021 8:10:03 AM	54.8	43.4	0.0	1.8	59.9	60.0	6.93	6.93	0.02	0.02	-13.14
GEW-047R	4/15/2021 8:11:51 AM	54.7	42.9	0.0	2.4	61.5	61.6	8.91	9.07	0.03	0.03	-13.14
GEW-047R	4/16/2021 9:47:35 AM	54.7	41.5	0.0	3.8	71.2	71.4	7.93	7.93	0.42	0.41	-13.69
GEW-047R	4/16/2021 9:51:51 AM	54.5	41.9	0.0	3.6	72.1	72.1	10.48	11.01	0.43	0.44	-13.69

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

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		(% vol)				°F		scfm		H ₂ O		
GEW-047R	4/19/2021 8:56:58 AM	55.4	43.2	0.0	1.4	71.2	71.6	6.45	6.41	0.01	0.01	-13.69
GEW-047R	4/19/2021 8:58:21 AM	55.6	42.3	0.0	2.1	71.8	71.8	2.80	2.80	0.01	0.01	-13.35
GEW-047R	4/20/2021 8:11:24 AM	56.1	41.8	0.0	2.1	60.3	60.2	11.17	11.17	-0.23	-0.23	-13.35
GEW-047R	4/27/2021 11:04:40 AM	54.1	42.7	0.0	3.2	88.4	88.4	15.62	15.62	-0.01	-0.01	-13.40
GEW-048	4/1/2021 10:08:10 AM	54.2	38.6	0.0	7.2	89.6	89.4	15.03	14.85	-0.87	-0.87	-13.95
GEW-048	4/1/2021 10:14:27 AM	54.2	39.5	0.0	6.3	89.6	89.4	13.48	14.03	-0.84	-0.84	-14.44
GEW-048	4/6/2021 11:02:56 AM	53.3	39.5	0.0	7.2	94.6	94.6	11.16	10.46	-0.33	-0.33	-13.95
GEW-048	4/7/2021 2:26:36 PM	55.8	38.2	0.0	6.0	94.2	94.1	13.45	13.72	-0.10	-0.09	-13.83
GEW-048	4/7/2021 2:28:33 PM	55.9	38.8	0.0	5.3	89.6	89.3	7.30	6.76	0.44	0.44	-13.53
GEW-048	4/11/2021 8:46:32 AM	57.7	41.0	0.0	1.3	51.8	51.8	7.56	8.09	0.27	0.26	-13.77
GEW-048	4/11/2021 8:48:34 AM	57.6	41.3	0.0	1.1	52.9	53.1	8.57	8.20	0.26	0.26	-13.65
GEW-048	4/12/2021 10:22:50 AM	58.2	40.6	0.0	1.2	67.9	67.9	9.07	9.90	-0.21	-0.20	-13.65
GEW-048	4/12/2021 10:24:44 AM	57.9	41.3	0.0	0.8	68.1	68.0	4.35	4.35	-0.20	-0.20	-13.65
GEW-048	4/14/2021 10:40:53 AM	58.2	40.1	0.0	1.7	68.8	69.0	4.86	3.97	0.41	0.41	-13.48
GEW-048	4/14/2021 10:43:11 AM	57.9	40.4	0.0	1.7	69.1	69.1	6.88	6.88	0.41	0.41	-13.48
GEW-048	4/15/2021 8:22:43 AM	58.8	40.2	0.0	1.0	60.1	60.5	4.00	2.83	0.19	0.20	-13.14
GEW-048	4/15/2021 8:25:18 AM	58.3	40.7	0.0	1.0	60.3	60.2	4.90	4.90	0.23	0.24	-13.48
GEW-048	4/16/2021 9:59:49 AM	58.6	40.3	0.0	1.1	66.8	66.9	7.45	8.45	0.69	0.69	-13.69
GEW-048	4/16/2021 10:01:43 AM	58.6	39.8	0.0	1.6	78.7	79.4	11.10	9.96	0.44	0.45	-13.69
GEW-048	4/19/2021 9:09:13 AM	59.4	40.0	0.0	0.6	91.1	91.2	8.69	9.11	-0.11	-0.11	-13.98
GEW-048	4/19/2021 9:10:56 AM	59.3	39.3	0.0	1.4	91.7	91.7	9.90	10.64	-0.13	-0.14	-13.98
GEW-048	4/27/2021 11:13:04 AM	57.6	39.3	0.0	3.1	95.0	95.0	18.20	18.20	0.04	0.04	-13.61
GEW-048	4/27/2021 11:15:04 AM	57.3	40.0	0.0	2.7	95.8	95.8	19.19	19.19	-0.04	-0.04	-13.61
GEW-049	4/5/2021 9:06:01 AM	46.4	35.9	0.0	17.7	79.6	79.6	0.62	0.88	-0.13	-0.12	-13.77
GEW-049	4/5/2021 9:12:23 AM	46.4	36.4	0.0	17.2	79.9	79.8	3.93	4.82	-0.10	-0.10	-13.46
GEW-049	4/7/2021 2:11:00 PM	54.3	37.9	0.0	7.8	82.2	82.2	7.35	5.55	0.15	0.15	-13.59
GEW-049	4/7/2021 2:13:00 PM	54.4	38.5	0.0	7.1	80.0	79.9	3.94	2.78	0.20	0.19	-13.59
GEW-049	4/11/2021 8:26:24 AM	55.7	40.8	0.0	3.5	51.3	51.5	8.08	8.08	0.02	0.01	-13.34
GEW-049	4/11/2021 8:28:26 AM	55.5	41.1	0.0	3.4	53.5	53.7	8.07	8.07	-0.01	-0.01	-13.59
GEW-049	4/12/2021 9:56:40 AM	52.3	38.6	0.0	9.1	72.6	72.7	15.48	15.58	-0.32	-0.33	-13.65
GEW-049	4/12/2021 10:05:42 AM	52.3	39.3	0.0	8.4	73.7	73.8	9.44	9.01	-0.34	-0.34	-13.65
GEW-049	4/13/2021 9:08:45 AM	50.0	37.1	0.0	12.9	64.2	64.2	8.44	8.46	-0.20	-0.20	-13.71
GEW-049	4/13/2021 9:10:54 AM	49.6	37.2	0.0	13.2	64.9	64.7	7.97	7.97	-0.21	-0.21	-13.59
GEW-049	4/19/2021 11:03:25 AM	53.8	38.8	0.0	7.4	77.8	77.8	2.78	3.94	0.05	0.05	-13.69
GEW-049	4/19/2021 11:05:37 AM	53.9	38.2	0.0	7.9	78.2	78.2	2.78	2.78	0.06	0.07	-13.35
GEW-049	4/20/2021 8:29:24 AM	51.6	36.9	0.0	11.5	58.1	58.0	10.96	11.09	-0.07	-0.08	-13.69
GEW-049	4/27/2021 10:33:14 AM	54.5	39.3	0.0	6.2	85.6	85.6	15.67	15.67	0.15	0.15	-13.18
GEW-049	4/27/2021 10:34:51 AM	54.3	40.1	0.0	5.6	85.7	85.8	16.15	15.67	0.15	0.14	-13.18
GEW-049	4/28/2021 7:41:27 AM	50.8	36.4	0.0	12.8	76.2	76.2	3.94	3.94	-0.30	-0.30	-13.65
GEW-050	4/1/2021 10:33:37 AM	46.8	35.9	0.0	17.3	88.0	88.2	8.27	7.82	-0.53	-0.53	-6.55
GEW-050	4/1/2021 10:40:40 AM	46.8	35.6	0.0	17.6	88.1	88.0	7.80	7.29	-0.52	-0.52	-5.45

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-050	4/6/2021 11:12:03 AM	51.6	38.9	0.0	9.5	97.7	97.7	9.30	9.30	-0.07	-0.07	-6.61
GEW-050	4/7/2021 2:04:37 PM	56.0	38.7	0.0	5.3	95.6	95.3	8.54	8.45	0.04	0.04	-6.18
GEW-050	4/7/2021 2:07:42 PM	55.5	38.4	0.0	6.1	89.6	89.0	4.78	4.78	0.27	0.27	-6.18
GEW-050	4/11/2021 8:19:27 AM	57.3	40.3	0.0	2.4	51.3	51.3	8.58	10.31	0.28	0.28	-5.94
GEW-050	4/11/2021 8:21:20 AM	57.2	41.0	0.0	1.8	53.1	53.4	14.39	14.39	0.26	0.26	-5.45
GEW-050	4/12/2021 9:13:02 AM	58.0	40.3	0.0	1.7	71.6	71.4	8.12	7.75	-0.25	-0.25	-6.79
GEW-050	4/13/2021 9:52:34 AM	57.9	39.6	0.0	2.5	64.5	64.6	10.93	10.93	0.05	0.05	-6.49
GEW-050	4/13/2021 9:54:26 AM	57.5	40.1	0.0	2.4	64.9	64.9	8.92	8.92	0.05	0.05	-5.81
GEW-050	4/19/2021 9:53:15 AM	58.6	39.1	0.0	2.3	74.1	74.1	7.39	7.39	0.14	0.14	-5.56
GEW-050	4/19/2021 9:55:44 AM	58.5	38.9	0.0	2.6	74.3	74.3	3.95	3.95	0.16	0.17	-5.60
GEW-050	4/20/2021 8:19:20 AM	57.8	38.5	0.0	3.7	53.9	54.1	2.20	2.20	-0.05	-0.04	-6.28
GEW-050	4/27/2021 8:33:09 AM	56.6	40.6	0.0	2.8	77.5	77.5	17.19	17.62	0.08	0.08	-6.11
GEW-050	4/27/2021 8:35:18 AM	56.4	39.8	0.0	3.8	77.5	77.7	16.03	16.03	0.07	0.07	-5.01
GEW-050	4/28/2021 7:35:18 AM	56.5	39.4	0.0	4.1	71.8	71.8	19.52	20.84	-0.21	-0.21	-5.56
GEW-051	4/5/2021 9:41:17 AM	56.3	40.3	0.0	3.4	117.4	117.4	13.69	13.16	-0.66	-0.66	-14.14
GEW-051	4/5/2021 9:46:50 AM	55.2	41.7	0.0	3.1	117.3	117.3	9.68	12.31	-0.63	-0.64	-13.65
GEW-051	4/13/2021 10:29:58 AM	55.0	41.1	0.0	3.9	114.5	114.5	12.34	12.34	-0.69	-0.69	-13.95
GEW-051	4/19/2021 10:18:16 AM	56.0	40.9	0.0	3.1	116.3	116.6	9.30	10.05	-0.44	-0.43	-13.69
GEW-051	4/27/2021 8:58:41 AM	54.1	40.7	0.0	5.2	117.9	117.9	12.90	12.90	-0.46	-0.46	-13.44
GEW-052	4/5/2021 9:51:15 AM	48.7	37.4	0.0	13.9	100.4	100.4	6.69	7.22	-0.02	-0.03	-13.89
GEW-052	4/5/2021 9:57:48 AM	49.0	37.4	0.0	13.6	100.6	100.7	5.46	5.46	-0.04	-0.03	-13.77
GEW-052	4/13/2021 9:59:47 AM	47.7	35.9	0.0	16.4	93.6	93.6	7.39	7.08	-0.11	-0.11	-14.08
GEW-052	4/13/2021 10:01:38 AM	47.7	35.5	0.0	16.8	93.1	93.1	7.77	7.77	-0.11	-0.11	-13.89
GEW-052	4/19/2021 9:58:53 AM	52.7	36.6	0.0	10.7	98.7	98.7	5.46	3.86	0.06	0.06	-13.69
GEW-052	4/19/2021 10:00:15 AM	52.7	36.6	0.0	10.7	98.9	98.9	4.73	4.73	0.03	0.05	-13.69
GEW-052	4/20/2021 8:23:06 AM	49.9	36.1	0.0	14.0	91.7	91.7	0.87	0.87	-0.05	-0.05	-13.69
GEW-052	4/27/2021 8:38:56 AM	51.5	36.4	0.0	12.1	100.6	100.7	15.45	15.10	0.02	0.01	-13.56
GEW-052	4/27/2021 8:41:03 AM	51.3	36.5	0.0	12.2	100.8	100.8	15.21	15.21	0.00	0.00	-13.90
GEW-052	4/28/2021 7:38:22 AM	50.2	35.6	0.0	14.2	98.2	98.3	3.86	3.86	-0.19	-0.19	-13.65
GEW-053	4/1/2021 8:35:16 AM	51.2	42.7	0.0	6.1	132.3	131.7	9.13	8.77	-0.65	-0.65	-13.77
GEW-053	4/1/2021 8:39:25 AM	50.6	42.2	0.0	7.2	132.3	131.2	7.16	6.97	-0.64	-0.63	-13.83
GEW-053	4/2/2021 7:57:47 AM	50.3	43.1	0.0	6.6	133.2	132.3	5.50	5.59	-0.34	-0.35	-13.59
GEW-053	4/2/2021 8:05:45 AM	50.3	42.3	0.0	7.4	133.2	133.5	4.78	4.78	-0.30	-0.30	-13.71
GEW-053	4/3/2021 7:15:35 AM	50.8	42.2	0.0	7.0	124.2	124.2	27.33	27.33	-0.35	-0.36	-13.73
GEW-053	4/3/2021 7:20:03 AM	50.8	40.8	0.0	8.4	125.8	126.1	35.63	35.02	-0.41	-0.40	-13.86
GEW-053	4/4/2021 7:15:34 AM	50.6	42.1	0.0	7.3	134.7	134.7	30.59	33.12	-0.46	-0.46	-13.77
GEW-053	4/4/2021 7:18:28 AM	50.7	41.2	0.0	8.1	135.3	135.0	28.08	27.95	-0.48	-0.48	-13.86
GEW-053	4/5/2021 8:24:28 AM	50.6	41.8	0.0	7.6	138.1	138.4	9.14	8.75	-0.49	-0.50	-13.71
GEW-053	4/5/2021 8:55:17 AM	50.7	41.2	0.0	8.1	138.7	138.9	7.13	7.18	-0.46	-0.46	-13.89
GEW-053	4/6/2021 8:40:00 AM	50.6	42.0	0.0	7.4	139.2	139.6	10.06	7.71	-0.49	-0.50	-13.65
GEW-053	4/6/2021 8:43:20 AM	50.3	42.2	0.0	7.5	139.4	139.6	7.39	7.15	-0.48	-0.48	-13.71

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-053	4/7/2021 7:56:16 AM	50.1	43.1	0.0	6.8	139.3	139.5	6.36	6.08	-0.15	-0.15	-13.77
GEW-053	4/7/2021 7:59:57 AM	50.1	42.2	0.0	7.7	139.9	139.9	7.71	7.91	-0.18	-0.19	-13.65
GEW-053	4/8/2021 8:12:26 AM	51.0	43.1	0.0	5.9	138.0	137.7	7.54	7.54	-0.30	-0.30	-13.77
GEW-053	4/8/2021 8:17:52 AM	50.9	42.6	0.0	6.5	137.4	137.6	6.86	6.74	-0.34	-0.34	-13.65
GEW-053	4/9/2021 8:08:37 AM	54.4	42.6	0.0	3.0	139.3	139.2	5.27	5.17	-0.63	-0.64	-13.65
GEW-053	4/9/2021 8:11:13 AM	54.0	42.3	0.0	3.7	139.3	139.3	6.46	6.46	-0.65	-0.66	-13.65
GEW-053	4/10/2021 7:49:44 AM	50.3	41.8	0.0	7.9	139.3	138.8	20.80	20.86	0.16	0.15	-13.77
GEW-053	4/10/2021 9:25:13 AM	49.9	43.5	0.0	6.6	138.7	138.3	8.63	8.53	0.34	0.34	-13.57
GEW-053	4/11/2021 7:59:09 AM	50.6	42.1	0.0	7.3	137.7	137.7	9.88	9.86	-0.63	-0.65	-13.95
GEW-053	4/11/2021 8:02:45 AM	50.4	42.0	0.0	7.6	137.7	138.0	8.47	8.55	-0.63	-0.63	-13.46
GEW-053	4/12/2021 8:44:41 AM	50.9	42.1	0.0	7.0	139.0	138.5	10.67	10.67	-1.02	-1.02	-14.08
GEW-053	4/12/2021 8:48:21 AM	51.1	41.6	0.0	7.3	138.3	138.7	8.88	8.94	-1.04	-1.05	-13.65
GEW-053	4/14/2021 8:06:36 AM	50.1	43.0	0.0	6.9	127.4	127.2	9.41	9.37	-0.29	-0.28	-13.48
GEW-053	4/16/2021 9:30:23 AM	50.4	42.5	0.0	7.1	132.7	132.5	3.80	3.75	0.05	0.04	-13.69
GEW-053	4/16/2021 9:39:04 AM	50.4	42.5	0.0	7.1	135.9	136.2	8.77	7.48	-0.01	-0.01	-13.69
GEW-053	4/19/2021 8:43:38 AM	51.3	42.4	0.0	6.3	136.5	136.6	6.83	7.08	-0.39	-0.38	-13.69
GEW-053	4/19/2021 8:47:41 AM	51.4	41.6	0.0	7.0	136.5	136.2	5.41	5.81	-0.34	-0.35	-13.69
GEW-053	4/21/2021 8:55:46 AM	51.5	41.8	0.0	6.7	136.4	136.5	11.56	11.35	-0.53	-0.53	-13.65
GEW-053	4/21/2021 8:58:39 AM	51.6	41.3	0.0	7.1	136.2	136.2	7.58	7.72	-0.53	-0.53	-13.61
GEW-053	4/23/2021 9:02:29 AM	50.5	42.4	0.0	7.1	135.0	135.2	5.91	5.91	-0.19	-0.18	-13.23
GEW-053	4/23/2021 9:05:20 AM	50.4	42.6	0.0	7.0	135.5	135.0	10.23	9.15	-0.22	-0.20	-13.14
GEW-053	4/26/2021 8:57:08 AM	51.1	40.6	0.0	8.3	137.6	137.1	8.35	8.35	-0.03	-0.02	-13.48
GEW-053	4/26/2021 8:59:52 AM	50.7	40.0	0.0	9.3	137.1	137.4	6.78	6.86	-0.02	-0.01	-13.77
GEW-053	4/28/2021 7:25:24 AM	50.8	42.5	0.0	6.7	138.0	138.0	10.64	10.75	-0.60	-0.58	-13.44
GEW-053	4/28/2021 7:31:00 AM	50.3	41.7	0.0	8.0	138.0	137.7	8.33	6.62	-0.60	-0.59	-13.31
GEW-053	4/30/2021 8:16:06 AM	50.4	42.6	0.0	7.0	138.0	138.0	15.37	16.03	-0.46	-0.46	-13.44
GEW-053	4/30/2021 8:18:27 AM	50.5	41.6	0.0	7.9	138.5	138.3	18.06	17.08	-0.43	-0.44	-13.44
GEW-054	4/5/2021 10:46:41 AM	52.7	42.4	0.0	4.9	143.2	143.2	29.82	30.61	-4.01	-4.00	-13.10
GEW-054	4/5/2021 10:53:42 AM	52.8	42.4	0.0	4.8	143.5	143.2	32.59	32.59	-4.02	-4.02	-13.89
GEW-054	4/13/2021 10:39:43 AM	53.4	42.5	0.0	4.1	143.9	143.9	39.25	38.81	-4.33	-4.32	-14.01
GEW-054	4/13/2021 10:41:33 AM	52.7	42.5	0.0	4.8	143.9	143.6	38.60	38.25	-4.28	-4.29	-14.08
GEW-054	4/19/2021 10:29:36 AM	54.6	41.0	0.0	4.4	144.2	143.9	36.47	36.47	-4.11	-4.11	-14.24
GEW-054	4/19/2021 10:31:36 AM	54.4	41.2	0.0	4.4	144.2	144.2	40.17	39.49	-4.14	-4.16	-13.48
GEW-054	4/27/2021 9:06:24 AM	52.7	40.9	0.0	6.4	143.9	143.9	37.95	38.48	-4.12	-4.11	-13.27
GEW-054	4/27/2021 9:08:40 AM	52.3	41.8	0.0	5.9	143.9	143.9	43.27	43.27	-4.13	-4.13	-13.48
GEW-055	4/5/2021 10:59:31 AM	52.4	42.0	0.0	5.6	132.0	132.0	11.52	11.52	-1.12	-1.12	-13.53
GEW-055	4/5/2021 11:05:25 AM	52.2	43.3	0.0	4.5	132.0	132.3	11.81	11.06	-1.08	-1.08	-13.59
GEW-055	4/13/2021 10:48:26 AM	53.1	41.5	0.0	5.4	129.4	129.4	10.79	10.95	-1.40	-1.42	-13.71
GEW-055	4/19/2021 10:38:15 AM	53.7	40.5	0.0	5.8	130.3	130.3	10.32	11.92	-1.29	-1.30	-13.86
GEW-055	4/27/2021 10:08:23 AM	52.3	40.7	0.0	7.0	131.4	131.4	9.84	7.99	-1.22	-1.22	-13.27
GEW-055	4/27/2021 10:09:54 AM	52.0	41.3	0.0	6.7	131.7	131.7	8.26	8.67	-1.27	-1.26	-13.23

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-056R	4/7/2021 1:44:28 PM	56.0	43.7	0.0	0.3	89.0	89.2	1.62	1.62	-0.16	-0.16	-18.90
GEW-056R	4/7/2021 1:49:29 PM	55.7	42.1	0.0	2.2	89.1	89.1	2.30	1.62	-0.19	-0.20	-18.73
GEW-056R	4/15/2021 2:05:53 PM	49.4	42.2	0.0	8.4	94.7	94.8	3.03	3.03	-0.24	-0.24	-18.60
GEW-056R	4/21/2021 2:21:51 PM	40.6	38.8	0.0	20.6	76.4	76.4	1.17	1.17	-0.32	-0.32	-19.15
GEW-056R	4/28/2021 7:31:15 AM	39.7	38.5	0.0	21.8	87.0	87.2	3.26	3.45	-0.47	-0.46	-19.79
GEW-057B	4/8/2021 2:47:18 PM	13.0	41.0	3.9	42.1	61.6	61.6	2.35	3.11	-14.34	-14.34	-19.77
GEW-057B	4/8/2021 2:53:53 PM	15.9	51.9	0.2	32.0	61.2	61.2	2.87	2.87	-15.18	-15.18	-19.71
GEW-057B	4/21/2021 11:29:02 AM	12.8	44.6	3.1	39.5	65.8	66.0	1.16	2.33	-14.21	-14.21	-19.12
GEW-059R	4/5/2021 2:11:50 PM	24.0	38.8	0.0	37.2	126.1	126.1	2.83	2.83	-5.10	-5.10	-18.54
GEW-059R	4/5/2021 2:18:30 PM	24.3	38.4	0.0	37.3	123.9	124.0	1.52	3.26	-5.10	-5.10	-18.60
GEW-059R	4/21/2021 10:55:03 AM	24.1	40.4	0.0	35.5	96.0	96.0	2.75	3.17	-6.47	-6.47	-19.29
GEW-067A	4/5/2021 9:11:14 AM	6.1	57.7	0.0	36.2	193.7	193.6	3.33	4.30	-1.37	-1.39	-19.62
GEW-067A	4/5/2021 9:18:05 AM	6.6	57.6	0.0	35.8	194.2	193.6	2.15	0.96	-1.56	-1.55	-19.66
GEW-067A	4/19/2021 10:04:05 AM	9.1	57.7	0.0	33.2	190.2	189.6	4.91	5.10	-3.27	-3.26	-19.11
GEW-067A	4/19/2021 10:05:23 AM	8.9	56.1	0.0	35.0	190.2	189.6	7.13	7.14	-3.46	-3.46	-18.65
GEW-068A	4/9/2021 10:36:44 AM	33.7	49.5	0.0	16.8	162.9	162.7	15.05	15.04	-9.78	-9.78	-19.16
GEW-068A	4/9/2021 10:41:50 AM	36.0	48.4	0.0	15.6	162.9	162.9	14.82	15.05	-9.78	-9.78	-18.91
GEW-068A	4/21/2021 9:06:08 AM	26.5	50.2	0.1	23.2	161.6	161.6	15.51	15.45	-11.19	-11.19	-19.28
GEW-068A	4/21/2021 9:08:20 AM	25.8	50.7	0.0	23.5	161.8	161.9	15.25	15.18	-11.14	-11.14	-19.41
GEW-078R	4/12/2021 10:20:08 AM	26.2	41.0	0.0	32.8	151.0	151.0	27.71	27.70	-6.75	-6.75	-19.28
GEW-078R	4/12/2021 10:25:15 AM	26.7	40.8	0.0	32.5	153.3	153.3	27.23	27.12	-6.75	-6.75	-19.20
GEW-078R	4/21/2021 10:36:01 AM	23.9	40.1	0.0	36.0	148.3	148.7	28.40	28.45	-6.75	-6.75	-18.60
GEW-078R	4/21/2021 10:36:52 AM	24.1	40.5	0.0	35.4	150.6	150.6	27.44	28.18	-6.80	-6.80	-18.22
GEW-082R	4/8/2021 9:43:46 AM	5.8	46.3	0.0	47.9	159.8	159.8	1.01	1.01	-1.63	-1.63	-19.45
GEW-082R	4/8/2021 9:49:10 AM	6.1	42.7	0.0	51.2	161.6	162.4	1.43	1.01	-1.62	-1.63	-18.99
GEW-082R	4/19/2021 11:20:33 AM	19.3	40.8	0.0	39.9	167.3	167.1	1.73	1.00	-1.57	-1.58	-18.94
GEW-082R	4/19/2021 11:21:37 AM	17.3	40.9	0.0	41.8	168.4	167.6	1.00	1.73	-1.62	-1.61	-18.22
GEW-086	4/5/2021 10:29:39 AM	8.0	25.6	5.6	60.8	137.7	138.0	3.16	3.65	-0.11	-0.12	-18.77
GEW-086	4/5/2021 10:36:16 AM	8.8	23.9	5.5	61.8	141.5	141.2	2.34	3.63	-0.10	-0.10	-18.73
GEW-086	4/19/2021 9:41:41 AM	7.4	23.9	6.8	61.9	134.4	134.4	1.06	3.18	-0.06	-0.06	-19.11
GEW-086	4/19/2021 9:42:33 AM	7.5	23.8	6.9	61.8	134.4	135.0	3.00	3.82	-0.06	-0.05	-19.20
GEW-087	4/5/2021 10:42:15 AM	4.9	71.7	0.0	23.4	203.9	203.9	32.97	35.40	-0.03	-0.03	-18.10
GEW-087	4/5/2021 10:49:34 AM	5.4	72.2	0.0	22.4	203.9	203.9	33.99	34.68	-0.10	-0.08	-18.73
GEW-087	4/19/2021 10:49:57 AM	14.7	66.2	0.1	19.0	200.8	200.8	27.98	30.17	-5.45	-5.45	-17.63
GEW-087	4/19/2021 10:51:06 AM	15.0	63.9	0.1	21.0	200.8	201.2	31.05	31.63	-5.11	-5.11	-17.17
GEW-088	4/5/2021 10:10:57 AM	2.2	53.3	0.0	44.5	160.2	158.2	23.98	23.93	-0.36	-0.37	-18.94
GEW-088	4/5/2021 10:16:51 AM	2.2	51.9	0.0	45.9	156.1	156.1	10.72	10.38	-0.46	-0.45	-18.90
GEW-088	4/19/2021 9:47:28 AM	2.8	54.1	0.0	43.1	166.0	167.6	4.94	4.92	-0.05	-0.06	-18.99
GEW-088	4/19/2021 9:48:58 AM	2.6	53.9	0.0	43.5	167.6	168.1	15.89	15.81	-0.04	-0.04	-18.94
GEW-090	4/5/2021 8:46:55 AM	27.5	40.9	0.1	31.5	154.8	154.9	2.01	1.42	-7.94	-7.94	-19.83
GEW-090	4/5/2021 8:53:00 AM	26.5	41.9	0.0	31.6	155.6	155.6	3.89	3.18	-7.77	-7.77	-20.00

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-090	4/19/2021 9:20:28 AM	29.3	43.8	0.2	26.7	153.7	152.7	4.16	4.16	-7.81	-7.81	-19.49
GEW-090	4/19/2021 9:21:45 AM	29.0	44.0	0.1	26.9	154.0	153.7	3.90	4.39	-7.81	-7.81	-19.53
GEW-091	4/7/2021 3:00:02 PM	6.8	57.5	0.0	35.7	200.9	201.6	10.52	15.02	-0.65	-0.67	-19.53
GEW-091	4/7/2021 3:06:03 PM	11.6	58.0	0.0	30.4	201.6	201.6	17.06	20.92	-4.73	-4.72	-19.75
GEW-091	4/15/2021 2:36:10 PM	3.5	58.7	0.0	37.8	197.2	196.4	20.68	7.63	-8.01	-8.10	-19.77
GEW-091	4/15/2021 2:36:59 PM	3.4	61.2	0.0	35.4	197.2	197.2	15.35	21.11	-8.18	-8.10	-18.85
GEW-091	4/21/2021 2:52:44 PM	4.1	55.9	0.1	39.9	196.4	194.3	11.14	12.96	-9.46	-9.46	-19.79
GEW-091	4/21/2021 2:54:12 PM	3.8	56.0	0.0	40.2	196.4	196.4	15.52	12.26	-9.79	-9.79	-19.75
GEW-091	4/28/2021 7:59:24 AM	3.9	58.7	0.0	37.4	199.9	200.1	19.52	17.62	-7.98	-7.98	-19.75
GEW-091	4/28/2021 8:00:33 AM	3.5	59.5	0.0	37.0	200.1	200.1	18.29	18.22	-8.32	-8.32	-19.75
GEW-100	4/12/2021 2:46:37 PM	31.1	38.2	4.2	26.5	70.9	71.0	1.14	1.14	-18.85	-18.85	-19.22
GEW-100	4/12/2021 3:02:02 PM	29.3	35.8	5.4	29.5	72.9	72.8	1.14	1.14	-18.60	-18.60	-19.09
GEW-100	4/12/2021 3:03:41 PM	29.4	35.6	5.3	29.7	73.0	73.0	2.14	2.11	-18.77	-18.73	-19.22
GEW-100	4/21/2021 9:14:07 AM	18.2	61.0	0.1	20.7	96.5	96.5	13.81	13.81	-12.49	-12.49	-18.94
GEW-101	4/12/2021 2:23:57 PM	34.2	63.5	0.0	2.3	81.6	81.7	5.88	7.99	-6.45	-6.45	-16.77
GEW-101	4/12/2021 2:29:49 PM	34.1	65.2	0.0	0.7	81.9	81.9	8.31	9.78	-6.45	-6.45	-17.44
GEW-101	4/29/2021 10:21:28 AM	34.5	65.4	0.1	0.0	75.7	75.6	5.23	4.05	-2.90	-2.89	-16.41
GEW-102	4/12/2021 2:00:44 PM	35.0	28.8	7.0	29.2	75.3	75.2	0.00	0.00	-17.17	-17.17	-18.85
GEW-102	4/12/2021 2:18:07 PM	48.8	38.2	1.9	11.1	72.0	72.0	2.24	1.01	-17.59	-17.59	-19.09
GEW-102	4/29/2021 10:46:00 AM	54.6	42.8	1.2	1.4	70.1	70.1	1.11	1.11	-17.90	-17.90	-18.73
GEW-104	4/8/2021 10:46:53 AM	14.3	56.4	0.0	29.3	180.3	180.8	15.48	15.48	-3.61	-3.61	-19.77
GEW-104	4/8/2021 10:54:39 AM	14.4	55.0	0.0	30.6	181.0	181.1	30.96	30.96	-4.93	-4.93	-19.58
GEW-104	4/21/2021 8:43:21 AM	13.8	47.9	0.4	37.9	183.7	183.9	14.57	14.47	-3.44	-3.45	-19.53
GEW-104	4/21/2021 8:44:51 AM	11.6	53.2	0.5	34.7	184.3	183.9	16.56	16.57	-3.39	-3.39	-19.62
GEW-105	4/7/2021 11:39:27 AM	52.1	47.7	0.0	0.2	87.9	88.0	6.76	6.63	-1.84	-1.83	-19.46
GEW-105	4/7/2021 11:44:51 AM	53.0	45.6	0.0	1.4	89.1	89.1	5.00	5.70	-1.85	-1.85	-19.28
GEW-105	4/21/2021 1:36:18 PM	53.4	44.1	0.0	2.5	70.7	70.7	4.45	4.75	-1.97	-1.98	-19.33
GEW-106	4/7/2021 11:22:40 AM	19.7	63.5	0.0	16.8	71.1	71.1	4.04	4.04	-1.11	-1.10	-19.34
GEW-106	4/7/2021 11:27:39 AM	19.5	64.7	0.0	15.8	71.8	71.8	2.53	3.04	-1.05	-1.03	-19.40
GEW-106	4/29/2021 9:07:51 AM	15.2	62.0	0.3	22.5	68.2	68.2	6.99	6.67	-0.54	-0.53	-19.80
GEW-107	4/7/2021 10:05:35 AM	45.6	50.1	0.0	4.3	109.5	109.2	7.67	7.67	-2.66	-2.66	-19.28
GEW-107	4/7/2021 10:10:39 AM	45.7	50.9	0.0	3.4	107.8	107.7	6.73	6.73	-2.61	-2.61	-19.34
GEW-107	4/21/2021 11:04:52 AM	48.4	49.9	0.0	1.7	104.3	104.3	10.27	9.19	-2.32	-2.33	-19.04
GEW-108	4/7/2021 2:12:44 PM	48.0	45.8	0.0	6.2	119.2	119.4	9.19	8.32	-2.05	-2.06	-18.82
GEW-108	4/7/2021 2:18:01 PM	48.1	46.2	0.0	5.7	120.5	120.5	3.06	3.06	-2.11	-2.11	-18.86
GEW-108	4/15/2021 2:17:01 PM	47.9	44.5	0.0	7.6	123.9	123.9	9.16	5.06	-2.27	-2.24	-18.91
GEW-108	4/21/2021 2:30:33 PM	46.5	46.5	0.0	7.0	92.2	92.7	2.99	2.99	-3.63	-3.63	-18.99
GEW-108	4/28/2021 7:40:42 AM	44.3	46.4	0.0	9.3	124.2	124.6	7.89	5.57	-2.43	-2.42	-19.20
GEW-109	4/7/2021 2:02:45 PM	53.9	40.0	0.8	5.3	75.2	75.2	2.35	1.66	-0.81	-0.80	-18.52
GEW-109	4/7/2021 2:07:50 PM	53.5	39.3	0.9	6.3	74.4	74.3	1.67	1.67	-0.80	-0.80	-18.48
GEW-109	4/15/2021 2:13:15 PM	53.0	38.7	1.1	7.2	72.7	72.7	1.19	1.68	-0.82	-0.82	-18.91

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-109	4/21/2021 2:27:47 PM	48.1	38.9	1.3	11.7	63.0	63.0	3.99	2.69	-0.79	-0.79	-18.73
GEW-109	4/28/2021 7:37:27 AM	46.4	39.4	1.9	12.3	69.8	69.8	4.28	3.36	-1.13	-1.13	-19.37
GEW-110	4/7/2021 10:16:25 AM	50.3	49.7	0.0	0.0	117.9	117.9	3.08	3.08	-0.73	-0.73	-18.82
GEW-110	4/7/2021 10:21:53 AM	50.1	49.9	0.0	0.0	117.2	117.6	2.67	2.18	-0.80	-0.80	-18.94
GEW-110	4/15/2021 1:54:49 PM	45.5	47.3	0.0	7.2	121.6	121.8	3.62	4.23	0.04	0.04	-18.85
GEW-110	4/15/2021 1:56:17 PM	44.8	48.5	0.0	6.7	124.7	124.7	7.25	5.41	-1.73	-1.75	-18.97
GEW-110	4/21/2021 2:15:50 PM	47.4	47.0	0.0	5.6	124.5	124.5	6.77	5.67	-3.17	-3.16	-19.62
GEW-110	4/28/2021 7:25:41 AM	46.7	48.0	0.0	5.3	129.9	130.0	8.40	7.63	-3.93	-3.93	-19.92
GEW-113	4/5/2021 2:26:38 PM	30.8	59.0	0.1	10.1	175.8	175.3	9.27	9.28	-1.50	-1.50	-19.07
GEW-113	4/5/2021 2:31:53 PM	32.9	58.1	0.1	8.9	175.8	175.3	10.13	10.04	-1.51	-1.51	-18.86
GEW-113	4/19/2021 10:32:18 AM	19.8	62.5	0.1	17.6	174.2	173.6	9.13	10.06	-1.64	-1.65	-19.11
GEW-113	4/19/2021 10:33:19 AM	20.8	63.2	0.1	15.9	174.2	174.0	10.20	10.01	-1.61	-1.62	-19.20
GEW-116	4/8/2021 8:51:03 AM	37.8	60.0	0.7	1.5	81.2	81.7	8.72	7.98	-0.01	-0.01	-18.99
GEW-116	4/8/2021 8:57:10 AM	38.7	59.4	0.3	1.6	82.1	81.9	6.88	9.16	-0.02	-0.01	-18.56
GEW-116	4/22/2021 10:41:00 AM	40.0	57.4	1.0	1.6	86.2	86.1	4.90	5.29	-0.08	-0.08	-18.69
GEW-117	4/8/2021 10:11:22 AM	37.2	57.6	0.0	5.2	117.3	117.1	4.66	4.78	-8.40	-8.40	-19.28
GEW-117	4/8/2021 10:16:38 AM	36.4	58.7	0.0	4.9	117.1	117.1	5.45	5.45	-8.70	-8.70	-18.77
GEW-117	4/22/2021 10:46:11 AM	37.5	56.2	0.0	6.3	123.1	123.9	9.72	9.71	-7.77	-7.77	-18.27
GEW-118	4/8/2021 9:30:18 AM	2.1	65.4	0.0	32.5	203.1	203.1	20.75	20.38	-0.46	-0.45	-20.63
GEW-118	4/8/2021 9:37:04 AM	1.9	68.3	0.0	29.8	203.1	203.1	20.70	21.03	-0.39	-0.40	-20.17
GEW-118	4/19/2021 2:53:25 PM	2.3	59.4	0.1	38.2	197.4	197.4	18.06	18.33	-4.76	-4.76	-19.24
GEW-118	4/19/2021 2:54:28 PM	2.1	60.3	0.1	37.5	197.9	197.4	19.02	18.48	-4.73	-4.74	-19.41
GEW-120	4/8/2021 10:32:11 AM	12.8	31.5	1.8	53.9	107.0	107.2	11.39	7.63	-3.98	-3.98	-18.99
GEW-120	4/8/2021 10:37:44 AM	13.1	28.8	1.8	56.3	106.7	106.8	9.15	11.29	-4.08	-4.08	-19.41
GEW-120	4/22/2021 10:54:04 AM	8.4	26.3	3.0	62.3	103.2	103.2	7.77	8.46	-3.47	-3.47	-18.44
GEW-121	4/8/2021 10:53:16 AM	38.5	48.8	0.0	12.7	100.4	100.6	4.76	4.19	-1.62	-1.62	-18.27
GEW-121	4/8/2021 11:17:45 AM	39.0	48.9	0.0	12.1	101.8	102.1	1.94	1.94	-1.67	-1.67	-18.27
GEW-121	4/8/2021 11:23:00 AM	39.0	48.7	0.0	12.3	100.8	100.8	2.74	3.36	-1.70	-1.70	-18.39
GEW-121	4/22/2021 11:10:41 AM	30.5	43.5	0.2	25.8	111.7	112.0	3.80	4.91	-1.83	-1.82	-17.25
GEW-122	4/8/2021 3:13:39 PM	45.8	43.5	0.0	10.7	64.5	64.5	10.20	12.41	-2.80	-2.80	-19.92
GEW-122	4/8/2021 3:19:15 PM	48.3	39.1	0.0	12.6	64.7	64.8	5.47	7.45	-2.88	-2.88	-19.58
GEW-122	4/22/2021 11:26:39 AM	44.8	41.9	0.0	13.3	69.1	69.2	5.67	5.66	-3.55	-3.55	-18.22
GEW-123	4/8/2021 1:56:36 PM	41.9	57.6	0.4	0.1	60.8	60.9	3.83	2.96	-0.25	-0.24	-19.58
GEW-123	4/8/2021 2:01:46 PM	41.9	56.9	0.4	0.8	60.9	60.9	2.96	2.96	-0.25	-0.25	-19.58
GEW-123	4/22/2021 11:23:11 AM	34.2	51.7	2.9	11.2	64.9	65.4	1.70	1.70	-0.43	-0.42	-18.39
GEW-124	4/8/2021 2:21:49 PM	47.8	32.5	3.9	15.8	59.8	59.7	1.42	0.56	-16.29	-16.29	-19.92
GEW-124	4/8/2021 2:32:50 PM	48.4	32.6	4.1	14.9	60.2	60.4	0.77	0.62	-17.18	-17.18	-19.58
GEW-124	4/28/2021 2:45:15 PM	44.0	32.1	4.8	19.1	76.8	76.6	0.55	0.51	-16.88	-16.88	-19.20
GEW-125	4/9/2021 8:32:25 AM	45.0	36.0	1.0	18.0	58.5	58.5	1.20	1.20	-5.53	-5.53	-19.62
GEW-125	4/9/2021 8:38:45 AM	42.7	33.2	1.7	22.4	61.0	61.1	1.19	1.19	-5.53	-5.53	-19.62
GEW-125	4/22/2021 2:07:52 PM	41.2	35.2	0.6	23.0	74.3	74.3	1.65	2.02	-5.07	-5.07	-19.11

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Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-126	4/9/2021 9:06:29 AM	31.4	30.1	1.5	37.0	67.3	67.2	1.17	1.66	-7.22	-7.22	-19.07
GEW-126	4/9/2021 9:11:33 AM	33.5	32.5	0.6	33.4	65.6	65.6	1.18	1.18	-6.88	-6.88	-19.15
GEW-126	4/22/2021 2:24:33 PM	29.2	32.4	1.5	36.9	64.8	64.9	1.67	2.04	-7.09	-7.09	-18.90
GEW-127	4/9/2021 9:33:15 AM	32.7	57.9	0.0	9.4	73.6	73.6	2.05	2.05	-0.01	-0.01	-19.07
GEW-127	4/9/2021 9:38:34 AM	32.7	57.4	0.0	9.9	75.5	75.7	1.18	1.18	-0.02	-0.02	-18.99
GEW-127	4/22/2021 2:32:56 PM	30.3	54.6	0.0	15.1	74.0	75.2	2.05	1.18	-0.01	-0.01	-18.94
GEW-129	4/12/2021 10:52:01 AM	36.8	54.1	0.0	9.1	87.9	87.9	12.92	12.82	-1.66	-1.66	-18.94
GEW-129	4/12/2021 10:57:20 AM	37.1	54.2	0.0	8.7	87.7	87.7	12.92	13.07	-1.66	-1.67	-18.94
GEW-129	4/29/2021 9:24:57 AM	43.3	54.4	0.0	2.3	89.6	89.6	14.98	15.95	-1.92	-1.92	-19.28
GEW-130	4/9/2021 10:20:26 AM	30.4	43.4	0.0	26.2	143.9	144.2	8.51	7.54	-10.60	-10.60	-18.77
GEW-130	4/9/2021 10:27:55 AM	31.5	44.3	0.0	24.2	144.7	144.5	4.54	5.18	-10.68	-10.68	-18.86
GEW-130	4/21/2021 9:37:54 AM	25.0	42.0	0.0	33.0	140.9	140.9	7.82	6.19	-12.16	-12.16	-18.99
GEW-130	4/21/2021 9:39:18 AM	24.3	43.4	0.0	32.3	140.9	140.9	5.85	6.98	-12.16	-12.16	-19.07
GEW-131	4/9/2021 10:10:26 AM	48.1	49.5	0.0	2.4	123.4	123.4	11.12	11.61	-7.89	-7.89	-18.60
GEW-131	4/9/2021 10:15:26 AM	51.1	45.4	0.0	3.5	124.2	124.0	11.40	11.40	-8.02	-8.02	-18.60
GEW-131	4/22/2021 11:36:26 AM	44.3	50.7	0.0	5.0	116.9	117.1	14.49	14.45	-9.24	-9.24	-18.60
GEW-132	4/8/2021 9:52:55 AM	21.3	44.4	0.2	34.1	95.6	95.6	1.13	2.26	-1.40	-1.40	-19.11
GEW-132	4/8/2021 9:58:04 AM	22.1	39.9	0.2	37.8	99.4	99.4	2.75	2.25	-1.43	-1.42	-19.28
GEW-132	4/22/2021 11:29:54 AM	21.3	35.4	0.3	43.0	100.2	101.1	2.51	2.50	-1.64	-1.64	-18.27
GEW-133	4/8/2021 8:41:27 AM	17.6	53.5	0.1	28.8	70.0	70.0	6.71	7.12	-1.11	-1.11	-18.69
GEW-133	4/8/2021 8:47:18 AM	17.4	55.0	0.0	27.6	71.4	71.8	9.09	7.75	-1.25	-1.25	-19.20
GEW-133	4/22/2021 10:32:07 AM	16.1	54.5	0.0	29.4	81.0	80.8	4.93	5.20	-1.47	-1.46	-18.82
GEW-134	4/5/2021 3:07:21 PM	36.5	46.9	0.0	16.6	95.9	95.9	3.21	1.96	-0.07	-0.06	-18.56
GEW-134	4/5/2021 3:14:15 PM	36.8	45.7	0.0	17.5	96.2	96.2	3.59	2.27	-0.02	-0.03	-18.82
GEW-134	4/22/2021 10:26:45 AM	15.9	45.4	0.4	38.3	66.1	66.1	2.08	2.08	-0.14	-0.13	-18.65
GEW-135	4/5/2021 2:42:32 PM	19.2	54.0	0.0	26.8	99.1	100.2	1.13	2.76	-0.02	-0.02	-17.21
GEW-135	4/5/2021 2:48:42 PM	20.7	54.0	0.0	25.3	104.3	104.3	1.58	1.58	-0.06	-0.06	-16.49
GEW-135	4/22/2021 10:18:06 AM	5.0	49.2	0.5	45.3	75.9	76.0	2.88	2.88	-0.24	-0.23	-16.91
GEW-137	4/12/2021 9:13:46 AM	41.9	42.8	0.0	15.3	67.2	67.3	5.19	5.05	-1.68	-1.69	-19.96
GEW-137	4/12/2021 9:19:22 AM	42.3	43.5	0.0	14.2	67.0	67.0	3.15	3.58	-1.65	-1.65	-19.53
GEW-137	4/22/2021 10:13:21 AM	41.3	44.2	0.1	14.4	66.5	66.5	3.95	3.95	-1.82	-1.82	-18.94
GEW-139	4/9/2021 1:38:26 PM	8.6	41.6	5.2	44.6	90.8	90.8	2.81	2.57	-1.69	-1.69	-18.60
GEW-139	4/9/2021 1:43:51 PM	8.7	41.3	4.9	45.1	89.6	89.6	3.26	3.05	-1.51	-1.51	-18.54
GEW-139	4/28/2021 11:28:30 AM	0.4	57.6	1.7	40.3	70.0	70.2	2.90	2.90	-1.42	-1.42	-18.94
GEW-140	4/9/2021 1:57:20 PM	45.1	45.9	0.0	9.0	88.9	88.9	4.44	4.87	-3.36	-3.35	-17.07
GEW-140	4/9/2021 2:02:23 PM	47.3	46.7	0.0	6.0	88.8	88.8	5.00	4.73	-3.41	-3.42	-17.14
GEW-140	4/23/2021 2:26:52 PM	39.7	44.1	0.0	16.2	65.9	66.1	2.07	1.69	-3.38	-3.36	-19.08
GEW-144	4/13/2021 3:24:35 PM	22.9	25.0	11.5	40.6	71.3	71.4	0.52	0.52	-8.79	-8.79	-18.62
GEW-144	4/13/2021 3:30:45 PM	19.4	18.1	13.4	49.1	77.1	77.3	0.55	0.52	-15.22	-15.22	-18.87
GEW-144	4/21/2021 11:28:49 AM	40.5	38.2	4.8	16.5	57.6	57.6	2.02	2.02	-17.10	-17.10	-18.60
GEW-145	4/9/2021 8:36:25 AM	32.4	45.8	1.3	20.5	55.0	55.0	2.05	2.05	-16.87	-16.87	-20.01

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-145	4/9/2021 8:46:20 AM	35.5	49.1	0.2	15.2	57.8	57.9	4.69	3.71	-17.55	-17.55	-20.01
GEW-145	4/23/2021 2:17:43 PM	28.9	43.9	1.3	25.9	62.2	62.3	6.36	6.36	-17.46	-17.46	-20.60
GEW-147	4/5/2021 1:57:44 PM	34.2	45.3	0.7	19.8	151.7	151.7	12.80	13.40	-4.90	-4.90	-19.03
GEW-147	4/5/2021 2:03:29 PM	31.5	44.7	0.7	23.1	152.9	152.9	11.72	14.27	-5.00	-5.00	-19.32
GEW-147	4/19/2021 10:44:53 AM	24.8	49.8	0.7	24.7	148.5	148.4	12.44	12.81	-5.45	-5.45	-18.52
GEW-147	4/19/2021 10:45:46 AM	25.4	49.0	0.7	24.9	148.9	148.9	15.33	12.88	-5.45	-5.45	-18.94
GEW-148	4/5/2021 11:05:32 AM	31.4	54.9	0.1	13.6	134.1	134.4	12.32	8.65	-10.47	-10.47	-18.39
GEW-148	4/5/2021 11:11:13 AM	34.6	55.7	0.0	9.7	136.8	136.8	9.38	11.09	-10.47	-10.47	-18.27
GEW-148	4/19/2021 10:16:43 AM	30.0	59.8	0.0	10.2	130.4	129.7	10.70	13.37	-10.85	-10.85	-18.65
GEW-149	4/5/2021 9:46:03 AM	4.0	17.4	1.6	77.0	76.2	76.4	1.66	1.18	-0.06	-0.06	-19.28
GEW-149	4/5/2021 9:51:40 AM	4.0	14.8	1.6	79.6	76.4	76.4	2.04	1.66	-0.07	-0.06	-19.28
GEW-149	4/22/2021 9:04:15 AM	3.3	15.6	6.8	74.3	61.6	61.6	2.42	2.96	-0.08	-0.08	-19.62
GEW-149	4/22/2021 9:05:39 AM	2.9	15.1	6.9	75.1	62.4	62.4	2.41	2.96	-0.08	-0.08	-19.58
GEW-150	4/8/2021 10:33:39 AM	30.1	47.6	0.7	21.6	141.7	141.5	32.30	32.33	-2.25	-2.25	-19.89
GEW-150	4/8/2021 10:42:42 AM	29.4	48.8	0.7	21.1	141.2	139.3	29.62	30.05	-2.38	-2.39	-19.95
GEW-150	4/21/2021 8:50:29 AM	25.6	47.4	2.3	24.7	150.3	149.5	24.94	24.98	-3.58	-3.58	-19.53
GEW-150	4/21/2021 8:51:33 AM	25.3	45.1	2.3	27.3	149.5	149.5	34.91	35.43	-2.79	-2.81	-19.45
GEW-152	4/7/2021 10:13:55 AM	26.4	45.3	1.5	26.8	78.0	78.0	3.22	3.22	-1.97	-1.97	-19.22
GEW-152	4/7/2021 10:19:31 AM	26.2	47.5	1.6	24.7	76.6	76.6	3.99	3.82	-1.97	-1.97	-19.22
GEW-152	4/21/2021 11:07:13 AM	26.3	44.5	1.5	27.7	67.5	67.7	1.20	1.20	-1.76	-1.76	-18.70
GEW-153	4/12/2021 1:43:26 PM	31.4	32.0	0.0	36.6	92.4	92.4	4.41	4.26	-3.52	-3.52	-18.91
GEW-153	4/12/2021 1:50:55 PM	31.3	32.4	0.0	36.3	92.7	92.7	5.58	4.56	-3.51	-3.51	-18.97
GEW-153	4/21/2021 10:57:20 AM	29.6	34.5	0.0	35.9	82.1	82.1	3.48	3.28	-3.44	-3.44	-19.17
GEW-156	4/5/2021 2:01:55 PM	27.5	43.4	0.0	29.1	111.7	111.9	2.45	2.45	-4.77	-4.77	-18.54
GEW-156	4/5/2021 2:07:53 PM	26.8	44.2	0.0	29.0	114.5	114.3	1.54	3.46	-4.81	-4.80	-18.54
GEW-156	4/21/2021 10:52:06 AM	27.6	44.5	0.0	27.9	91.0	91.0	4.08	6.40	-6.47	-6.47	-19.04
GEW-157	4/8/2021 2:58:09 PM	27.5	40.7	1.9	29.9	58.5	58.5	4.05	3.23	-0.87	-0.86	-19.71
GEW-157	4/8/2021 3:08:39 PM	29.7	42.6	0.8	26.9	57.7	57.7	3.00	3.00	-0.96	-0.96	-19.83
GEW-157	4/21/2021 11:25:42 AM	24.8	37.3	3.8	34.1	59.9	59.9	3.43	3.64	-1.95	-1.97	-18.96
GEW-158	4/7/2021 11:30:42 AM	31.6	52.4	0.0	16.0	79.6	79.6	0.83	2.20	-0.93	-0.93	-19.52
GEW-158	4/7/2021 11:35:36 AM	31.8	51.8	0.0	16.4	80.5	80.5	1.85	2.19	-0.90	-0.89	-19.28
GEW-158	4/21/2021 11:18:39 AM	32.3	53.8	0.0	13.9	71.2	71.2	2.66	2.66	-0.99	-0.99	-19.38
GEW-160	4/7/2021 2:49:36 PM	34.3	33.9	1.3	30.5	75.6	75.7	1.16	1.16	-4.73	-4.73	-19.07
GEW-160	4/7/2021 2:54:46 PM	39.8	37.2	0.0	23.0	75.9	76.0	1.16	1.16	-4.89	-4.88	-19.15
GEW-160	4/15/2021 2:32:58 PM	33.6	40.0	0.0	26.4	76.0	76.1	1.17	2.03	-4.77	-4.77	-18.97
GEW-160	4/21/2021 2:49:55 PM	32.2	34.9	1.4	31.5	61.2	61.4	2.07	2.39	-5.40	-5.40	-19.11
GEW-160	4/28/2021 7:55:27 AM	32.3	36.2	1.2	30.3	68.8	68.8	1.18	2.04	-5.91	-5.91	-19.28
GEW-161	4/7/2021 2:41:20 PM	20.7	49.3	0.5	29.5	81.7	82.0	2.00	1.63	-3.47	-3.47	-19.15
GEW-161	4/7/2021 2:46:41 PM	22.1	51.5	0.0	26.4	82.8	83.1	6.91	6.91	-3.56	-3.56	-19.20
GEW-161	4/15/2021 2:25:57 PM	20.9	49.5	0.0	29.6	90.5	90.6	7.23	5.36	-3.87	-3.85	-18.97
GEW-161	4/21/2021 2:46:35 PM	18.7	43.4	1.6	36.3	66.1	66.1	7.88	5.82	-3.86	-3.86	-19.07

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-161	4/28/2021 7:51:30 AM	19.7	48.3	0.6	31.4	78.4	78.7	4.17	4.33	-4.78	-4.77	-19.58
GEW-162	4/7/2021 2:32:14 PM	28.0	61.1	0.4	10.5	76.4	76.4	2.87	1.65	-1.91	-1.92	-18.86
GEW-162	4/7/2021 2:37:21 PM	28.2	62.0	0.3	9.5	76.2	76.2	2.34	1.66	-2.00	-1.99	-19.20
GEW-162	4/15/2021 2:19:48 PM	21.7	67.6	0.3	10.4	71.7	71.6	4.45	3.14	-2.05	-2.04	-19.28
GEW-162	4/21/2021 2:44:13 PM	23.4	59.0	0.4	17.2	59.9	59.9	2.70	4.18	-2.03	-2.03	-19.62
GEW-162	4/28/2021 7:47:40 AM	25.1	59.6	0.6	14.7	69.8	69.8	5.29	3.93	-2.22	-2.22	-19.49
GEW-163	4/8/2021 1:45:05 PM	39.8	60.1	0.1	0.0	76.4	76.4	4.84	6.24	-0.02	-0.02	-19.45
GEW-163	4/8/2021 1:53:29 PM	40.4	59.6	0.0	0.0	75.9	75.9	34.33	34.33	-0.12	-0.12	-19.62
GEW-163	4/22/2021 11:16:32 AM	40.9	59.0	0.1	0.0	75.9	75.9	10.06	9.66	-0.73	-0.73	-18.60
GEW-164	4/8/2021 2:06:24 PM	45.2	54.1	0.0	0.7	114.3	114.7	24.31	24.29	-0.29	-0.29	-18.56
GEW-164	4/8/2021 2:13:50 PM	44.5	53.3	0.0	2.2	114.5	114.3	15.63	16.69	-0.30	-0.31	-18.22
GEW-164	4/22/2021 11:20:33 AM	37.9	52.3	0.0	9.8	115.3	116.0	20.48	17.99	-0.46	-0.47	-16.58
GEW-165	4/8/2021 2:49:24 PM	29.8	59.3	1.5	9.4	122.1	122.2	5.15	3.64	-0.08	-0.06	-19.75
GEW-165	4/8/2021 2:54:50 PM	30.6	56.2	1.5	11.7	121.8	122.4	16.68	15.64	-0.07	-0.09	-20.04
GEW-165	4/22/2021 1:59:48 PM	29.2	53.1	2.1	15.6	128.3	127.8	9.18	8.06	-0.03	-0.02	-19.07
GEW-166	4/8/2021 3:03:24 PM	2.8	63.1	0.0	34.1	159.4	158.1	6.90	7.28	-0.48	-0.49	-19.66
GEW-166	4/8/2021 3:09:04 PM	3.2	66.0	0.0	30.8	162.5	162.4	4.75	4.05	-0.51	-0.50	-19.66
GEW-166	4/19/2021 3:10:14 PM	8.3	59.2	0.3	32.2	139.6	139.9	5.51	5.50	-4.36	-4.36	-18.27
GEW-166	4/19/2021 3:11:07 PM	8.1	60.0	0.2	31.7	140.6	140.6	6.23	7.42	-4.46	-4.46	-18.56
GEW-166	4/22/2021 2:02:48 PM	4.0	59.6	0.1	36.3	161.6	158.5	5.36	4.99	-0.55	-0.55	-18.94
GEW-166	4/22/2021 2:03:58 PM	3.7	60.8	0.0	35.5	162.0	159.8	6.32	5.84	-0.61	-0.61	-19.07
GEW-167	4/9/2021 10:01:38 AM	21.8	49.5	0.0	28.7	116.4	116.8	1.54	3.43	-3.06	-3.06	-18.94
GEW-167	4/9/2021 10:06:58 AM	20.7	52.8	0.0	26.5	117.3	117.3	2.17	3.76	-3.09	-3.08	-18.90
GEW-167	4/22/2021 11:33:31 AM	18.6	50.6	0.0	30.8	112.7	112.7	3.28	4.09	-3.44	-3.44	-18.44
GEW-168	4/9/2021 8:44:26 AM	50.3	46.1	1.4	2.2	77.5	77.5	2.77	2.77	-1.79	-1.79	-17.63
GEW-168	4/9/2021 8:49:07 AM	47.2	43.9	1.6	7.3	77.8	77.6	6.20	6.79	-1.83	-1.82	-19.49
GEW-168	4/22/2021 2:10:54 PM	46.8	44.8	1.1	7.3	82.1	82.1	6.74	4.77	-1.49	-1.48	-19.15
GEW-169	4/9/2021 9:22:17 AM	41.4	50.1	1.0	7.5	68.0	68.1	7.50	5.67	-0.03	-0.03	-18.99
GEW-169	4/9/2021 9:27:33 AM	41.0	50.1	1.1	7.8	69.4	69.5	7.48	6.32	-0.01	-0.02	-18.99
GEW-169	4/22/2021 2:29:50 PM	39.1	46.6	1.1	13.2	81.0	81.2	7.83	6.78	-0.02	-0.02	-18.90
GEW-170	4/9/2021 9:42:29 AM	15.5	27.8	8.0	48.7	96.8	96.7	4.66	4.66	-0.15	-0.15	-18.99
GEW-170	4/9/2021 9:47:21 AM	17.1	26.2	8.0	48.7	97.0	96.7	5.38	3.80	-0.15	-0.15	-18.94
GEW-170	4/21/2021 9:46:02 AM	12.2	27.9	8.7	51.2	85.1	85.1	2.75	2.75	-0.16	-0.16	-18.94
GEW-170	4/21/2021 9:48:23 AM	12.4	25.8	8.8	53.0	74.8	74.6	4.85	3.96	-0.06	-0.06	-18.99
GEW-171	4/13/2021 2:59:39 PM	22.0	54.9	0.7	22.4	77.9	78.0	4.54	4.54	-2.22	-2.20	-16.47
GEW-171	4/13/2021 3:18:47 PM	22.3	55.1	0.3	22.3	71.0	71.0	3.94	4.11	-2.01	-2.00	-17.14
GEW-171	4/23/2021 2:33:13 PM	20.7	53.2	1.6	24.5	69.9	69.8	4.45	4.60	-2.71	-2.70	-17.86
GEW-172	4/9/2021 2:16:41 PM	48.3	44.0	0.9	6.8	129.4	130.0	18.14	18.52	-15.56	-15.56	-18.85
GEW-172	4/9/2021 2:21:56 PM	47.6	43.2	1.1	8.1	129.8	130.3	17.82	18.21	-15.56	-15.56	-19.09
GEW-172	4/23/2021 2:29:39 PM	37.5	43.1	0.4	19.0	123.2	122.9	18.57	18.48	-16.87	-16.87	-20.60
GEW-174	4/9/2021 2:05:46 PM	24.5	33.8	0.2	41.5	121.0	121.8	25.01	25.01	-4.58	-4.58	-19.16

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-174	4/9/2021 2:11:34 PM	24.4	32.7	0.2	42.7	120.6	120.5	17.60	19.72	-4.58	-4.58	-18.85
GEW-174	4/23/2021 2:23:46 PM	14.4	31.9	0.3	53.4	119.0	119.4	12.58	12.05	-4.87	-4.87	-20.43
GEW-175	4/8/2021 10:21:41 AM	1.9	7.6	16.8	73.7	65.3	65.4	2.87	4.06	-0.01	-0.01	-19.58
GEW-175	4/8/2021 10:27:25 AM	1.8	6.6	17.0	74.6	65.5	65.6	4.97	2.87	-0.01	-0.01	-19.52
GEW-175	4/21/2021 10:59:25 AM	2.2	6.9	16.8	74.1	78.0	78.2	4.82	6.22	-0.03	-0.03	-18.35
GEW-175	4/21/2021 11:02:05 AM	2.4	4.9	16.9	75.8	71.6	71.2	6.90	6.30	0.01	0.01	-18.27
GEW-177	4/12/2021 11:01:35 AM	26.3	51.7	0.5	21.5	135.9	135.9	12.33	9.67	-15.49	-15.49	-18.77
GEW-177	4/12/2021 11:18:02 AM	26.9	49.6	0.5	23.0	137.1	136.5	11.07	13.89	-15.20	-15.20	-18.86
GEW-177	4/21/2021 9:42:37 AM	24.3	48.1	0.8	26.8	121.8	121.6	12.83	11.59	-16.50	-16.50	-18.73
GEW-178	4/8/2021 2:33:58 PM	55.8	40.6	0.0	3.6	59.0	59.0	3.24	2.73	-0.18	-0.18	-19.58
GEW-178	4/8/2021 2:39:52 PM	56.3	40.1	0.0	3.6	61.4	61.4	2.72	2.98	-0.16	-0.16	-19.65
GEW-178	4/21/2021 1:51:12 PM	52.4	38.7	0.0	8.9	58.0	58.0	7.83	7.64	-0.22	-0.22	-19.55
GEW-179	4/12/2021 11:23:43 AM	41.9	45.7	0.2	12.2	82.1	82.1	9.44	9.44	-9.29	-9.29	-18.90
GEW-179	4/12/2021 11:29:47 AM	42.4	43.4	0.3	13.9	82.6	82.6	9.44	9.44	-8.95	-8.95	-18.69
GEW-179	4/21/2021 1:56:14 PM	39.3	36.9	0.3	23.5	77.8	77.9	5.64	7.64	-9.47	-9.47	-19.21
GEW-180	4/12/2021 11:33:15 AM	35.5	56.0	1.0	7.5	77.3	77.3	4.36	3.56	-16.55	-16.55	-18.44
GEW-180	4/12/2021 11:38:16 AM	39.7	60.3	0.0	0.0	76.8	76.8	2.52	3.19	-16.67	-16.67	-18.27
GEW-180	4/29/2021 10:24:27 AM	38.0	61.9	0.1	0.0	73.9	74.0	4.38	4.07	-17.56	-17.56	-18.99
GEW-181	4/12/2021 2:34:23 PM	29.8	67.3	0.0	2.9	75.7	75.7	1.13	3.40	-18.26	-18.26	-19.16
GEW-181	4/12/2021 2:40:06 PM	30.3	67.5	0.1	2.1	74.8	74.7	3.00	2.54	-18.26	-18.26	-19.16
GEW-181	4/30/2021 8:33:19 AM	30.2	67.6	0.1	2.1	72.5	72.5	6.10	6.99	-19.41	-19.41	-19.33
GEW-185	4/8/2021 10:41:47 AM	20.4	33.3	2.1	44.2	128.3	128.3	15.89	15.89	-7.39	-7.39	-19.75
GEW-185	4/8/2021 10:48:26 AM	20.5	31.6	2.3	45.6	128.0	128.0	15.40	19.76	-7.39	-7.39	-19.92
GEW-185	4/22/2021 11:00:13 AM	20.7	29.9	3.4	46.0	129.2	128.9	25.93	25.94	-7.77	-7.77	-19.37
GEW-186	4/9/2021 9:51:01 AM	52.7	47.0	0.3	0.0	84.9	85.1	2.00	3.66	-0.07	-0.06	-18.94
GEW-186	4/9/2021 9:55:38 AM	53.6	46.2	0.2	0.0	85.4	85.4	7.67	7.58	-0.07	-0.06	-18.60
GEW-186	4/22/2021 2:36:25 PM	48.4	48.3	0.3	3.0	81.7	81.6	2.60	2.02	-0.06	-0.06	-19.45
GEW-187	4/7/2021 2:21:49 PM	50.4	49.6	0.0	0.0	99.4	99.7	11.02	10.55	-3.12	-3.12	-18.77
GEW-187	4/7/2021 2:26:36 PM	49.9	50.1	0.0	0.0	100.1	100.4	10.12	8.28	-3.12	-3.12	-18.56
GEW-187	4/15/2021 2:20:04 PM	49.7	48.7	0.0	1.6	98.9	99.0	6.56	12.38	-3.18	-3.19	-19.21
GEW-187	4/21/2021 2:33:08 PM	46.0	50.3	0.0	3.7	94.8	95.0	8.95	10.33	-3.17	-3.16	-19.03
GEW-187	4/28/2021 7:43:47 AM	44.3	51.3	0.0	4.4	98.9	99.3	12.61	13.46	-3.46	-3.45	-19.32
GEW-217	4/8/2021 2:11:42 PM	29.1	38.4	4.4	28.1	58.7	58.8	13.26	13.31	-12.78	-12.78	-19.77
GEW-217	4/8/2021 2:17:28 PM	35.2	46.6	1.4	16.8	59.1	59.1	7.06	7.06	-15.52	-15.52	-19.58
GEW-217	4/29/2021 11:00:36 AM	22.0	53.4	1.9	22.7	85.6	85.6	2.54	3.22	-6.42	-6.42	-18.94
GEW-218	4/9/2021 8:25:39 AM	15.7	62.2	0.0	22.1	56.0	56.0	2.75	2.75	-0.17	-0.17	-20.07
GEW-218	4/9/2021 8:30:48 AM	15.5	63.0	0.0	21.5	57.4	57.5	1.23	1.23	-0.16	-0.16	-20.01
GEW-218	4/29/2021 10:49:23 AM	13.9	58.1	0.3	27.7	69.5	69.6	1.19	1.19	-0.23	-0.23	-18.86
GEW-220	4/13/2021 1:36:58 PM	30.3	43.0	2.1	24.6	98.2	98.2	7.11	7.95	-4.46	-4.46	-18.85
GEW-220	4/13/2021 2:50:13 PM	33.5	49.4	0.0	17.1	107.7	107.7	6.34	7.24	-4.39	-4.39	-18.96
GEW-220	4/14/2021 11:05:56 AM	34.9	49.6	0.0	15.5	103.4	103.5	9.31	9.57	-4.61	-4.61	-19.25

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-220	4/14/2021 11:11:26 AM	35.9	56.1	0.0	8.0	104.3	104.3	7.20	7.20	-4.52	-4.52	-19.76
GEW-220	4/23/2021 2:21:51 PM	43.4	43.9	0.4	12.3	75.7	75.9	9.20	9.20	-5.20	-5.20	-20.39
GEW-221	4/9/2021 10:22:57 AM	41.1	50.0	1.2	7.7	72.7	72.7	1.63	1.15	-14.17	-14.17	-19.03
GEW-221	4/9/2021 10:27:44 AM	39.1	49.7	1.3	9.9	73.7	73.8	2.29	1.99	-14.51	-14.51	-19.09
GEW-221	4/28/2021 3:07:09 PM	30.2	49.2	0.9	19.7	95.0	94.8	2.92	2.21	-11.82	-11.82	-18.99
GEW-222	4/9/2021 10:46:29 AM	62.9	37.1	0.0	0.0	72.3	72.3	13.74	13.74	-15.01	-15.01	-18.54
GEW-222	4/9/2021 10:53:14 AM	62.9	37.1	0.0	0.0	72.7	72.7	9.49	7.13	-16.95	-16.95	-18.91
GEW-222	4/28/2021 3:03:01 PM	53.2	43.1	0.3	3.4	77.5	77.6	6.28	6.28	-15.96	-15.96	-19.20
GEW-223	4/9/2021 2:38:03 PM	44.7	55.3	0.0	0.0	150.6	151.0	7.89	7.11	-5.06	-5.06	-19.28
GEW-223	4/9/2021 2:43:31 PM	43.3	56.7	0.0	0.0	152.5	152.5	21.10	21.17	-6.07	-6.07	-19.58
GEW-223	4/21/2021 9:18:48 AM	36.7	63.3	0.0	0.0	150.2	150.2	9.97	9.15	-6.46	-6.46	-19.37
GEW-223	4/21/2021 9:21:44 AM	38.2	61.8	0.0	0.0	150.6	150.6	6.43	7.12	-6.46	-6.46	-19.15
GEW-224	4/9/2021 2:56:50 PM	45.5	54.5	0.0	0.0	130.3	130.3	7.82	6.63	-15.18	-15.18	-18.67
GEW-224	4/9/2021 3:02:28 PM	45.3	54.7	0.0	0.0	130.9	130.9	7.66	6.53	-15.86	-15.86	-18.67
GEW-224	4/9/2021 3:04:20 PM	45.3	54.7	0.0	0.0	130.6	130.6	7.74	7.74	-15.56	-15.56	-17.14
GEW-224	4/28/2021 2:58:24 PM	40.3	57.1	0.0	2.6	127.5	127.8	8.06	5.55	-15.87	-15.87	-18.99
GEW-225	4/9/2021 2:48:20 PM	35.5	46.6	0.7	17.2	128.6	128.3	16.44	15.76	-9.78	-9.78	-18.91
GEW-225	4/9/2021 2:53:37 PM	36.4	43.6	0.7	19.3	129.7	129.7	8.06	8.06	-10.12	-10.12	-19.03
GEW-225	4/28/2021 2:53:51 PM	22.4	50.3	1.4	25.9	138.0	138.0	6.99	8.04	-9.46	-9.46	-19.15
GEW-225	4/28/2021 2:54:37 PM	22.9	50.1	1.5	25.5	138.0	138.3	8.18	7.21	-9.46	-9.46	-19.11
GEW-226	4/9/2021 1:47:30 PM	51.1	44.1	0.1	4.7	163.4	163.0	14.03	14.25	-3.34	-3.35	-18.54
GEW-226	4/9/2021 1:52:52 PM	52.7	42.3	0.1	4.9	163.3	162.6	8.86	8.08	-3.64	-3.66	-18.54
GEW-226	4/21/2021 9:29:12 AM	36.3	45.5	0.9	17.3	155.6	154.0	14.97	15.12	-4.07	-4.06	-18.82
GEW-226	4/21/2021 9:30:38 AM	36.6	43.4	0.8	19.2	155.2	156.0	16.29	14.58	-4.22	-4.21	-19.28
GEW-227	4/8/2021 9:02:37 AM	3.1	46.0	1.0	49.9	153.3	154.8	5.54	5.80	-0.01	-0.01	-19.58
GEW-227	4/8/2021 9:09:26 AM	2.7	47.6	1.0	48.7	158.0	158.1	7.29	4.90	-0.01	-0.02	-19.32
GEW-227	4/19/2021 2:27:10 PM	4.4	45.2	0.4	50.0	164.3	163.1	3.91	3.51	-0.01	-0.02	-18.22
GEW-227	4/19/2021 2:28:23 PM	4.3	45.8	0.4	49.5	163.8	162.9	4.85	4.64	-0.02	-0.01	-18.27
GEW-232	4/5/2021 11:26:48 AM	37.9	53.5	0.7	7.9	138.4	138.7	5.26	6.57	-0.38	-0.37	-18.27
GEW-232	4/5/2021 11:32:16 AM	36.8	52.3	0.9	10.0	136.8	138.0	7.90	9.55	-0.38	-0.38	-18.22
GEW-232	4/19/2021 10:25:27 AM	32.8	58.3	0.0	8.9	134.1	134.4	4.86	4.86	-0.31	-0.31	-18.56
GEW-232	4/19/2021 10:26:27 AM	31.5	56.5	1.2	10.8	133.5	133.8	11.43	9.67	-0.44	-0.44	-18.56
GEW-233	4/5/2021 2:53:26 PM	20.1	38.8	2.5	38.6	93.5	93.4	2.79	2.79	-0.02	-0.01	-18.60
GEW-233	4/5/2021 3:00:38 PM	20.1	37.5	2.5	39.9	92.9	92.9	2.28	2.28	-0.04	-0.03	-18.56
GEW-233	4/22/2021 10:21:18 AM	1.3	26.7	8.2	63.8	62.8	62.8	4.51	5.91	-0.16	-0.16	-18.60
GEW-233	4/22/2021 10:22:23 AM	1.3	25.6	8.3	64.8	61.8	61.7	2.09	1.71	-0.06	-0.06	-18.60
GEW-234	4/8/2021 9:19:53 AM	14.4	42.0	0.0	43.6	178.0	178.0	32.06	30.72	-1.72	-1.73	-19.87
GEW-234	4/8/2021 9:25:28 AM	14.9	41.0	0.0	44.1	178.0	177.5	30.91	31.41	-1.73	-1.74	-19.66
GEW-234	4/19/2021 2:48:21 PM	15.7	41.1	0.0	43.2	174.1	173.6	31.23	29.88	-2.01	-2.00	-18.86
GEW-234	4/19/2021 2:49:36 PM	15.9	38.8	0.0	45.3	173.9	173.6	30.38	29.89	-2.03	-2.02	-18.82
GEW-235	4/8/2021 11:26:44 AM	21.2	61.5	0.0	17.3	162.0	161.4	8.19	8.20	-2.33	-2.33	-19.24

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-235	4/8/2021 11:31:50 AM	21.6	62.5	0.0	15.9	162.0	161.1	6.05	5.05	-2.39	-2.41	-19.20
GEW-235	4/19/2021 3:01:07 PM	14.1	65.6	0.1	20.2	176.6	176.9	5.62	7.94	0.89	0.88	-18.82
GEW-235	4/19/2021 3:05:15 PM	14.2	65.5	0.1	20.2	179.2	179.2	5.31	7.76	-0.27	-0.27	-18.52
GEW-236	4/7/2021 1:24:25 PM	6.5	16.5	9.0	68.0	176.4	175.9	12.39	11.33	-0.88	-0.88	-16.58
GEW-236	4/7/2021 1:27:00 PM	6.7	16.5	8.9	67.9	145.8	142.4	2.33	1.05	0.17	0.17	-20.93
GEW-236	4/7/2021 3:11:39 PM	9.5	36.1	4.1	50.3	80.0	80.0	1.17	1.65	0.32	0.30	-17.55
GEW-236	4/7/2021 3:14:05 PM	9.7	38.0	3.0	49.3	104.6	106.2	2.50	1.57	-0.23	-0.23	-17.51
GEW-236	4/12/2021 9:27:14 AM	1.9	46.7	1.6	49.8	198.6	198.6	3.18	5.33	-0.10	-0.10	-18.31
GEW-236	4/12/2021 9:33:03 AM	0.9	49.4	1.3	48.4	198.8	198.7	4.79	6.97	-0.07	-0.08	-18.01
GEW-236	4/14/2021 8:15:25 AM	1.8	50.2	0.0	48.0	202.3	202.3	5.51	5.51	1.11	1.10	-19.50
GEW-236	4/14/2021 8:23:24 AM	1.0	58.6	0.0	40.4	203.2	203.1	12.31	15.11	-0.02	-0.02	-18.20
GEW-236	4/26/2021 10:25:08 AM	3.6	36.7	4.4	55.3	199.4	199.4	10.53	10.53	-0.06	-0.06	-17.06
GEW-236	4/26/2021 10:26:50 AM	3.3	37.6	4.3	54.8	199.4	199.4	14.35	14.35	-0.01	-0.01	-17.44
GEW-237	4/8/2021 10:11:18 AM	33.9	36.1	3.6	26.4	120.7	120.7	10.43	10.43	-0.17	-0.17	-19.46
GEW-237	4/8/2021 10:17:45 AM	32.7	36.5	3.9	26.9	122.3	122.4	4.75	5.87	-0.13	-0.12	-19.34
GEW-237	4/29/2021 9:15:21 AM	27.2	34.2	5.0	33.6	118.9	119.2	12.95	13.49	-0.16	-0.16	-16.64
GEW-237	4/29/2021 9:16:52 AM	27.5	32.9	5.0	34.6	118.6	118.4	10.50	7.74	-0.14	-0.14	-16.89
GEW-238	4/5/2021 2:17:18 PM	27.2	59.8	0.0	13.0	187.6	187.6	38.21	39.15	-1.64	-1.62	-17.34
GEW-238	4/5/2021 2:23:39 PM	29.0	59.4	0.0	11.6	187.7	187.6	37.71	37.53	-1.62	-1.61	-18.18
GEW-238	4/19/2021 10:36:38 AM	21.0	62.8	0.0	16.2	185.8	185.7	37.53	37.47	-1.75	-1.75	-18.18
GEW-238	4/19/2021 10:37:46 AM	21.3	63.0	0.0	15.7	185.7	185.7	38.47	37.92	-1.75	-1.76	-17.97
GEW-239	4/5/2021 8:57:31 AM	1.1	33.3	7.8	57.8	197.9	196.5	16.15	17.09	-0.89	-0.89	-19.37
GEW-239	4/5/2021 9:04:23 AM	0.6	33.0	8.0	58.4	197.2	196.5	15.20	17.09	-0.88	-0.88	-19.41
GEW-239	4/19/2021 9:25:27 AM	1.4	32.5	8.4	57.7	194.3	194.3	16.49	16.52	-0.92	-0.93	-19.24
GEW-239	4/19/2021 9:28:55 AM	1.2	32.0	8.4	58.4	188.1	185.7	5.99	2.93	-0.60	-0.60	-19.24
GEW-240	4/12/2021 10:10:01 AM	1.7	26.4	3.0	68.9	179.2	179.2	9.86	7.70	-0.19	-0.20	-19.11
GEW-240	4/12/2021 10:15:23 AM	1.6	24.7	3.1	70.6	179.2	179.2	8.82	9.46	-0.20	-0.21	-19.11
GEW-240	4/21/2021 10:30:04 AM	2.7	23.2	3.4	70.7	176.9	176.4	8.04	7.28	-0.19	-0.19	-18.22
GEW-240	4/21/2021 10:32:10 AM	2.5	23.7	3.4	70.4	175.3	175.3	5.70	5.87	-0.10	-0.10	-18.22
GEW-241	4/8/2021 2:23:00 PM	39.6	43.3	0.0	17.1	121.0	121.3	15.96	15.96	-0.15	-0.15	-20.87
GEW-241	4/8/2021 2:28:57 PM	39.8	43.3	0.0	16.9	121.3	121.3	15.40	15.40	-0.14	-0.14	-20.01
GEW-241	4/21/2021 1:48:00 PM	37.6	39.4	0.0	23.0	127.1	127.0	9.59	9.59	-0.15	-0.15	-21.69
GEW-242	4/9/2021 9:49:15 AM	16.7	33.9	8.3	41.1	178.0	178.0	5.75	5.16	-14.89	-14.89	-19.40
GEW-242	4/9/2021 9:56:32 AM	14.8	34.5	9.1	41.6	177.5	176.9	6.47	6.79	-14.21	-14.21	-19.40
GEW-242	4/21/2021 11:11:03 AM	12.5	34.6	8.0	44.9	175.7	174.7	5.81	5.42	-14.86	-14.86	-18.39
GEW-242	4/21/2021 11:12:18 AM	12.0	35.4	7.9	44.7	175.8	174.7	6.69	5.42	-14.86	-14.86	-18.22
GEW-243	4/9/2021 8:52:43 AM	32.4	44.2	0.0	23.4	152.7	151.7	9.03	9.04	-12.79	-12.79	-19.96
GEW-243	4/9/2021 8:58:19 AM	32.8	44.9	0.0	22.3	152.5	152.5	10.51	13.50	-12.62	-12.62	-19.66
GEW-243	4/22/2021 2:15:34 PM	30.2	43.2	0.1	26.5	151.3	151.4	11.86	10.04	-12.83	-12.83	-19.87
GEW-243	4/22/2021 2:16:37 PM	30.0	43.4	0.1	26.5	151.3	151.3	9.79	9.79	-12.83	-12.83	-19.75
GEW-244	4/12/2021 10:36:12 AM	29.7	49.0	0.9	20.4	68.3	68.5	1.18	2.90	-3.29	-3.28	-18.94

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-244	4/12/2021 10:41:18 AM	32.1	54.2	0.0	13.7	69.1	69.1	2.36	3.34	-3.43	-3.44	-18.56
GEW-244	4/29/2021 11:22:45 AM	17.0	60.8	0.0	22.2	143.5	143.9	2.92	2.06	-5.40	-5.40	-18.90
GEW-244	4/29/2021 11:23:41 AM	17.5	61.2	0.0	21.3	144.2	143.9	3.25	1.78	-5.78	-5.78	-18.90
GEW-245	4/8/2021 2:37:13 PM	14.8	66.8	0.0	18.4	68.8	69.1	7.25	6.42	-0.02	-0.02	-19.87
GEW-245	4/8/2021 2:43:45 PM	13.8	70.0	0.0	16.2	72.1	72.3	5.03	8.21	-0.07	-0.06	-19.58
GEW-245	4/28/2021 2:47:56 PM	6.6	63.3	0.1	30.0	105.2	105.4	1.11	1.11	-0.31	-0.31	-18.99
GEW-246	4/5/2021 11:16:48 AM	38.7	56.1	0.0	5.2	176.4	176.4	12.66	10.57	-2.39	-2.38	-18.44
GEW-246	4/5/2021 11:22:57 AM	42.7	56.0	0.0	1.3	176.7	176.4	15.03	19.28	-2.43	-2.43	-18.48
GEW-246	4/19/2021 10:20:19 AM	30.7	60.0	0.0	9.3	187.6	187.0	15.33	10.87	-0.99	-1.00	-18.77
GEW-246	4/19/2021 10:21:25 AM	31.2	59.8	0.0	9.0	187.0	186.3	3.89	6.31	-0.97	-0.96	-18.90
GEW-247	4/7/2021 10:23:10 AM	9.6	53.7	0.5	36.2	94.1	94.2	3.52	3.70	-1.81	-1.80	-19.28
GEW-247	4/7/2021 10:28:48 AM	10.2	54.1	0.1	35.6	93.6	93.6	2.68	3.18	-1.81	-1.81	-19.58
GEW-247	4/29/2021 11:15:27 AM	10.1	53.1	1.8	35.0	84.0	84.2	7.65	7.65	-1.95	-1.95	-18.86
GEW-248	4/7/2021 11:10:33 AM	9.8	21.8	8.8	59.6	98.7	98.7	14.85	14.85	-0.96	-0.96	-19.46
GEW-248	4/7/2021 11:16:31 AM	10.4	21.9	8.5	59.2	98.6	98.4	12.53	12.84	-0.88	-0.88	-19.28
GEW-248	4/19/2021 11:26:57 AM	17.0	19.1	7.6	56.3	91.2	91.3	17.61	17.31	-0.97	-0.98	-18.35
GEW-248	4/19/2021 11:29:13 AM	17.6	18.7	7.7	56.0	91.5	91.5	11.70	10.28	-0.58	-0.58	-18.22
GEW-249	4/8/2021 9:53:44 AM	42.8	55.2	0.0	2.0	80.1	80.3	3.72	3.11	0.11	0.11	-20.01
GEW-249	4/8/2021 10:00:16 AM	42.4	56.6	0.0	1.0	96.0	97.2	3.19	3.31	-0.05	-0.05	-19.89
GEW-249	4/29/2021 9:11:15 AM	41.4	57.3	0.0	1.3	88.4	88.5	6.64	6.64	0.04	0.04	-19.55
GEW-249	4/29/2021 9:12:59 AM	41.6	56.7	0.0	1.7	95.2	95.3	6.15	6.75	-0.04	-0.03	-19.55
GEW-250	4/5/2021 3:18:16 PM	16.8	29.4	5.3	48.5	165.7	165.9	3.02	3.34	-0.02	-0.04	-18.18
GEW-250	4/5/2021 3:23:49 PM	16.6	28.5	5.3	49.6	166.2	166.5	6.21	6.20	-0.05	-0.05	-16.24
GEW-250	4/19/2021 11:14:57 AM	7.0	17.9	9.8	65.3	132.0	131.7	16.65	16.21	-0.54	-0.54	-14.12
GEW-250	4/19/2021 11:15:50 AM	8.6	17.4	9.7	64.3	131.7	131.7	18.74	19.09	-0.63	-0.63	-12.81
GEW-251	4/13/2021 3:36:55 PM	4.2	26.5	6.7	62.6	174.2	173.9	15.04	15.87	-2.28	-2.29	-19.76
GEW-251	4/13/2021 3:42:38 PM	4.1	25.4	6.6	63.9	174.7	174.7	15.58	15.23	-2.20	-2.20	-20.30
GEW-251	4/19/2021 9:53:40 AM	7.2	64.3	0.0	28.5	200.8	200.8	26.00	25.90	0.36	0.37	-19.96
GEW-251	4/19/2021 9:58:39 AM	7.1	64.6	0.0	28.3	200.8	200.8	26.46	26.53	-0.09	-0.10	-20.13
GEW-252	4/8/2021 1:45:23 PM	39.3	46.8	0.0	13.9	121.8	124.0	4.16	3.56	-6.20	-6.20	-19.58
GEW-252	4/8/2021 1:50:59 PM	39.0	46.0	0.0	15.0	127.5	127.5	6.11	6.11	-6.24	-6.24	-19.46
GEW-252	4/29/2021 10:53:23 AM	38.6	54.9	0.0	6.5	150.6	151.7	15.46	17.88	-5.40	-5.40	-18.90
GEW-252	4/29/2021 10:55:03 AM	39.3	52.7	0.0	8.0	151.7	151.8	12.79	13.38	-5.40	-5.40	-18.94
GEW-253	4/12/2021 9:04:10 AM	0.2	8.9	12.4	78.5	162.0	162.2	5.82	6.33	-0.04	-0.03	-19.79
GEW-253	4/12/2021 9:10:00 AM	0.2	10.3	12.0	77.5	162.0	162.4	6.17	6.16	-0.03	-0.03	-19.87
GEW-253	4/21/2021 10:46:33 AM	1.0	13.2	11.5	74.3	141.2	141.9	6.55	8.58	-0.04	-0.04	-17.97
GEW-253	4/21/2021 10:47:51 AM	0.5	11.2	11.7	76.6	141.5	141.6	6.87	7.49	-0.04	-0.04	-18.14
GEW-2S	4/6/2021 10:40:15 AM	55.2	39.4	0.0	5.4	78.2	78.3	7.01	7.01	-0.81	-0.81	-13.71
GEW-2S	4/14/2021 9:32:38 AM	54.6	38.6	0.0	6.8	67.7	67.7	11.12	9.96	-0.84	-0.83	-13.61
GEW-2S	4/14/2021 9:38:16 AM	55.0	36.8	0.0	8.2	68.2	68.2	11.36	11.92	-0.83	-0.83	-13.86
GEW-2S	4/19/2021 11:17:26 AM	57.0	37.2	0.0	5.8	75.3	75.4	9.60	10.23	-0.84	-0.86	-14.07

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GEW-2S	4/27/2021 10:48:07 AM	56.9	38.4	0.0	4.7	80.7	80.7	6.50	4.03	-0.76	-0.76	-13.31
GIW-01	4/7/2021 8:08:09 AM	41.0	57.6	0.2	1.2	111.0	111.2	8.88	8.87	-1.36	-1.36	-18.60
GIW-01	4/7/2021 8:14:08 AM	40.3	56.8	0.0	2.9	111.0	111.2	7.94	8.16	-1.37	-1.37	-18.94
GIW-01	4/15/2021 2:14:13 PM	35.1	54.5	0.0	10.4	113.2	113.2	13.34	13.01	-1.49	-1.48	-17.44
GIW-01	4/21/2021 1:39:01 PM	31.8	56.3	0.2	11.7	101.8	101.8	2.24	2.24	-1.71	-1.71	-18.94
GIW-01	4/26/2021 1:40:06 PM	31.8	58.8	0.1	9.3	117.0	117.1	6.84	7.66	-1.41	-1.41	-18.16
GIW-02	4/7/2021 8:17:53 AM	23.4	62.8	0.1	13.7	70.2	70.3	2.91	1.68	-0.20	-0.20	-19.28
GIW-02	4/7/2021 8:23:00 AM	23.0	64.4	0.1	12.5	69.5	69.5	2.38	2.06	-0.18	-0.17	-19.41
GIW-02	4/15/2021 2:17:09 PM	21.5	66.3	0.0	12.2	72.3	72.5	2.38	2.38	-0.29	-0.29	-18.60
GIW-02	4/21/2021 1:42:03 PM	19.4	59.7	0.1	20.8	57.3	57.5	3.22	3.44	-0.33	-0.33	-18.94
GIW-02	4/26/2021 1:43:47 PM	18.6	64.3	0.0	17.1	87.7	87.8	5.17	6.75	-0.08	-0.08	-18.87
GIW-03	4/7/2021 8:26:58 AM	32.6	50.5	0.0	16.9	68.9	68.9	1.18	2.04	-5.74	-5.74	-19.41
GIW-03	4/7/2021 8:32:19 AM	33.7	47.3	0.0	19.0	69.0	69.0	1.66	2.35	-5.95	-5.95	-19.28
GIW-03	4/15/2021 2:23:07 PM	31.8	48.9	0.0	19.3	69.2	69.2	1.18	1.67	-6.07	-5.95	-19.28
GIW-03	4/21/2021 1:44:25 PM	29.1	45.4	0.2	25.3	58.0	58.3	1.69	1.69	-6.42	-6.42	-19.03
GIW-03	4/26/2021 1:45:51 PM	26.7	47.6	0.0	25.7	84.9	85.0	5.00	4.73	-5.96	-5.96	-18.66
GIW-04	4/7/2021 8:35:11 AM	30.9	43.3	1.7	24.1	69.4	69.5	2.64	2.04	-4.07	-4.07	-18.94
GIW-04	4/7/2021 8:40:54 AM	35.7	48.7	0.4	15.2	73.2	73.2	2.34	2.62	-4.23	-4.22	-18.94
GIW-04	4/15/2021 2:28:26 PM	29.5	51.9	0.0	18.6	74.3	74.5	2.04	1.66	-4.00	-4.00	-18.91
GIW-04	4/21/2021 1:46:56 PM	28.5	44.0	1.4	26.1	58.1	58.2	2.70	2.70	-3.88	-3.88	-18.90
GIW-04	4/26/2021 1:47:29 PM	27.7	44.9	0.8	26.6	84.9	85.1	3.26	2.83	-3.38	-3.38	-19.21
GIW-05	4/7/2021 8:46:04 AM	41.2	37.6	1.9	19.3	75.0	75.0	2.32	1.64	-5.74	-5.74	-19.03
GIW-05	4/7/2021 8:51:37 AM	45.0	40.6	0.4	14.0	78.6	78.7	1.63	2.00	-5.74	-5.74	-19.15
GIW-05	4/15/2021 2:30:41 PM	35.8	45.2	0.0	19.0	76.7	76.8	1.65	2.03	-4.72	-4.72	-18.79
GIW-05	4/21/2021 1:50:24 PM	33.2	37.1	1.8	27.9	58.2	58.2	2.08	2.40	-5.40	-5.40	-19.15
GIW-05	4/26/2021 1:49:53 PM	33.9	37.3	1.0	27.8	88.2	88.4	4.12	4.12	-4.70	-4.69	-19.21
GIW-06	4/7/2021 8:54:38 AM	45.5	39.4	0.2	14.9	74.9	74.9	1.59	1.59	-17.90	-17.90	-18.94
GIW-06	4/7/2021 9:01:05 AM	45.2	39.6	0.0	15.2	75.7	75.7	2.52	1.59	-17.94	-17.94	-18.94
GIW-06	4/15/2021 2:23:41 PM	38.3	39.5	0.0	22.2	73.6	73.9	1.97	3.00	-17.51	-17.84	-19.55
GIW-06	4/15/2021 2:25:48 PM	38.2	39.3	0.0	22.5	74.3	74.3	2.54	2.27	-17.21	-17.21	-18.87
GIW-06	4/21/2021 1:53:14 PM	33.8	36.4	0.9	28.9	59.9	60.4	3.28	3.67	-17.69	-17.69	-19.20
GIW-06	4/26/2021 1:52:10 PM	33.7	35.9	0.9	29.5	84.5	84.7	2.95	1.57	-17.51	-17.51	-19.21
GIW-07	4/7/2021 9:04:17 AM	54.8	44.5	0.7	0.0	77.5	77.5	1.65	1.65	-1.86	-1.85	-18.94
GIW-07	4/7/2021 9:09:22 AM	55.1	44.7	0.2	0.0	78.0	78.0	1.65	1.65	-1.83	-1.82	-18.94
GIW-07	4/15/2021 2:29:06 PM	51.4	46.4	0.0	2.2	73.9	74.3	4.42	4.42	-1.83	-1.83	-18.87
GIW-07	4/21/2021 1:55:19 PM	46.1	43.1	0.7	10.1	60.7	60.9	3.41	3.61	-1.97	-1.97	-19.28
GIW-07	4/26/2021 1:54:09 PM	49.8	44.6	0.2	5.4	85.6	85.8	2.59	1.64	-1.46	-1.44	-19.21
GIW-08	4/7/2021 9:12:24 AM	56.6	43.4	0.0	0.0	77.8	77.9	1.65	2.61	-2.55	-2.54	-18.94
GIW-08	4/7/2021 9:17:25 AM	56.7	43.3	0.0	0.0	75.2	75.2	3.10	1.66	-2.61	-2.62	-18.94
GIW-08	4/15/2021 2:32:30 PM	51.9	43.4	0.0	4.7	77.7	77.6	4.38	4.54	-2.41	-2.41	-18.87
GIW-08	4/21/2021 1:58:16 PM	49.5	44.2	0.0	6.3	61.1	61.1	1.20	2.08	-2.64	-2.65	-19.28

April 2021 Wellfield Monitoring Data - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂	Balance Gas	Init Temp	Adj Temp	Init Flow	Adj Flow	Init Static Press	Adj Static Press	System Pressure
		(% vol)				°F		scfm		H ₂ O		
GIW-08	4/26/2021 1:56:16 PM	50.1	42.5	0.0	7.4	86.5	86.5	4.32	4.00	-2.26	-2.25	-18.79
GIW-09	4/7/2021 9:20:55 AM	42.3	40.1	0.6	17.0	73.8	74.0	2.64	3.73	-0.70	-0.71	-18.90
GIW-09	4/7/2021 9:26:13 AM	45.6	42.9	0.0	11.5	74.8	74.8	1.66	1.66	-0.77	-0.77	-18.94
GIW-09	4/15/2021 2:36:07 PM	42.9	40.6	0.0	16.5	72.0	72.2	3.37	3.15	-0.57	-0.57	-18.53
GIW-09	4/15/2021 2:38:00 PM	42.8	41.1	0.0	16.1	72.7	72.7	1.19	1.19	-0.48	-0.48	-18.87
GIW-09	4/21/2021 2:00:20 PM	41.0	39.1	0.1	19.8	58.6	58.6	3.64	3.84	-0.51	-0.51	-18.94
GIW-09	4/26/2021 1:58:36 PM	43.1	40.1	0.0	16.8	84.2	84.3	2.85	2.85	-0.32	-0.33	-19.21
GIW-10	4/7/2021 9:29:33 AM	37.2	36.4	0.0	26.4	74.8	74.8	1.17	2.34	-3.54	-3.53	-18.90
GIW-10	4/7/2021 9:35:16 AM	37.2	35.5	0.0	27.3	74.8	74.8	2.34	3.09	-3.58	-3.59	-18.60
GIW-10	4/15/2021 2:11:00 PM	31.9	35.9	0.0	32.2	71.6	71.6	2.65	1.19	-3.11	-3.13	-18.97
GIW-10	4/21/2021 2:02:52 PM	33.1	35.8	0.0	31.1	60.7	60.7	2.40	2.40	-3.20	-3.20	-19.32
GIW-10	4/26/2021 2:01:17 PM	33.4	35.9	0.0	30.7	85.6	85.6	3.46	3.46	-2.91	-2.91	-19.17
GIW-11	4/7/2021 9:49:28 AM	35.9	33.0	0.3	30.8	77.3	77.7	4.37	3.09	-2.18	-2.17	-14.88
GIW-11	4/7/2021 9:54:56 AM	36.3	33.6	0.3	29.8	80.0	80.0	3.07	1.64	-2.17	-2.18	-14.71
GIW-11	4/15/2021 2:08:30 PM	30.0	35.2	0.0	34.8	69.1	69.1	3.58	2.67	-1.99	-1.99	-13.95
GIW-11	4/21/2021 2:06:06 PM	26.8	33.0	0.6	39.6	61.2	62.4	1.70	3.18	-2.02	-2.02	-15.86
GIW-11	4/26/2021 2:02:55 PM	28.9	33.6	0.3	37.2	87.0	87.2	3.65	1.98	-1.81	-1.79	-15.59
GIW-12	4/7/2021 9:58:56 AM	44.1	37.7	0.3	17.9	80.0	80.2	2.86	2.02	-0.40	-0.40	-17.59
GIW-12	4/7/2021 10:04:16 AM	43.7	38.0	0.3	18.0	79.1	79.1	2.34	1.65	-0.44	-0.44	-17.25
GIW-12	4/15/2021 2:03:21 PM	38.2	40.3	0.0	21.5	71.6	71.6	2.39	2.07	-0.24	-0.24	-12.73
GIW-12	4/21/2021 2:10:23 PM	29.8	36.2	0.5	33.5	60.2	60.2	2.42	2.71	-0.29	-0.29	-14.55
GIW-12	4/26/2021 2:05:43 PM	31.8	37.0	0.0	31.2	85.4	85.4	3.07	3.07	-0.20	-0.21	-14.15
GIW-13	4/7/2021 10:08:05 AM	54.4	45.6	0.0	0.0	77.4	77.4	3.70	1.17	-1.17	-1.17	-13.66
GIW-13	4/7/2021 10:13:15 AM	54.3	45.7	0.0	0.0	76.5	76.5	4.54	2.03	-1.24	-1.23	-14.42
GIW-13	4/15/2021 1:58:53 PM	48.6	46.0	0.0	5.4	71.4	71.4	1.19	3.37	-1.05	-1.04	-13.46
GIW-13	4/21/2021 2:13:31 PM	46.6	45.2	0.0	8.2	60.4	60.5	2.09	2.41	-1.38	-1.38	-13.83
GIW-13	4/26/2021 2:07:01 PM	46.3	42.6	0.0	11.1	85.8	85.8	4.17	2.32	-1.25	-1.25	-13.48
LCS-1D	4/2/2021 8:22:14 AM	48.3	35.1	3.7	12.9	45.6	45.7	4.39	4.87	-9.79	-9.79	-16.15
LCS-1D	4/22/2021 8:59:18 AM	47.9	37.1	3.4	11.6	59.8	59.7	1.67	2.05	-10.34	-10.34	-15.26
LCS-2D	4/2/2021 2:46:53 PM	49.7	37.8	1.5	11.0	63.3	63.3	2.58	2.00	-17.22	-17.22	-18.86
LCS-2D	4/30/2021 8:27:06 AM	55.6	39.3	0.3	4.8	67.2	67.2	9.79	9.79	-19.11	-19.11	-20.01
LCS-3D	4/2/2021 3:07:44 PM	33.3	49.0	0.3	17.4	160.7	160.2	14.95	13.10	-6.04	-6.04	-17.59
LCS-3D	4/2/2021 3:08:31 PM	32.8	62.1	0.2	4.9	160.6	160.5	14.09	14.09	-6.08	-6.08	-17.38
LCS-3D	4/16/2021 10:21:53 AM	32.8	59.5	0.3	7.4	155.2	154.4	13.69	13.98	-8.46	-8.46	-18.16
LCS-3D	4/16/2021 10:23:17 AM	32.0	62.3	0.3	5.4	154.8	154.8	12.35	11.00	-8.79	-8.79	-17.52
LCS-4B	4/14/2021 1:26:28 PM	18.7	55.4	3.9	22.0	70.7	70.9	2.39	2.39	-0.42	-0.42	-17.19
LCS-4B	4/22/2021 10:09:14 AM	14.0	41.2	9.2	35.6	61.6	61.9	3.42	4.00	-0.44	-0.44	-17.55
LCS-4B	4/22/2021 10:10:32 AM	14.2	41.4	9.0	35.4	62.4	62.4	3.62	2.96	-0.13	-0.13	-17.55
LCS-5A	4/6/2021 10:16:53 AM	56.9	41.6	0.0	1.5	88.5	88.5	23.36	26.12	-9.15	-9.15	-12.67
LCS-5A	4/13/2021 10:35:16 AM	56.0	40.8	0.1	3.1	84.5	84.7	10.86	10.86	-8.14	-8.14	-12.61
LCS-5A	4/19/2021 10:21:52 AM	57.8	40.6	0.0	1.6	87.2	87.4	19.43	19.24	-8.37	-8.37	-13.14

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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		
LCS-5A	4/27/2021 9:02:34 AM	56.4	41.2	0.0	2.4	87.7	87.9	23.75	22.18	-9.13	-9.13	-13.18
LCS-5B	4/6/2021 10:19:32 AM	53.9	40.4	0.6	5.1	101.6	101.8	3.39	3.63	-12.48	-12.48	-13.28
LCS-5B	4/13/2021 10:45:49 AM	52.8	41.8	0.5	4.9	124.1	124.2	21.76	21.76	-10.80	-10.80	-13.65
LCS-5B	4/19/2021 10:35:17 AM	54.7	40.3	0.1	4.9	121.1	121.0	16.52	14.91	-11.08	-11.08	-13.40
LCS-5B	4/27/2021 10:05:56 AM	54.0	40.7	0.0	5.3	122.4	122.6	6.58	4.93	-11.16	-11.16	-13.18
LCS-6B	4/6/2021 10:52:04 AM	52.9	44.2	0.0	2.9	93.0	92.9	24.74	24.74	-0.54	-0.54	-13.28
LCS-6B	4/14/2021 10:25:10 AM	54.0	42.8	0.0	3.2	85.4	85.4	6.75	7.80	-0.52	-0.53	-13.48
LCS-6B	4/19/2021 11:32:48 AM	54.5	41.9	0.1	3.5	88.4	88.4	3.88	2.74	-0.37	-0.35	-13.69
LCS-6B	4/27/2021 11:02:05 AM	53.6	42.5	0.0	3.9	93.1	93.0	16.80	15.66	-0.36	-0.37	-12.89
SEW-002	4/2/2021 2:12:44 PM	34.6	51.1	2.1	12.2	66.5	66.4	4.79	3.68	-11.82	-11.82	-18.94
SEW-002	4/29/2021 9:21:13 AM	38.7	54.0	1.1	6.2	67.0	67.0	2.82	3.26	-15.20	-15.20	-18.94
SEW-003	4/2/2021 9:05:12 AM	1.4	29.5	8.3	60.8	52.1	52.1	5.91	6.40	-0.01	-0.01	-20.13
SEW-003	4/2/2021 9:05:58 AM	1.2	27.0	8.5	63.3	52.1	52.1	5.91	5.91	-0.03	-0.03	-20.21
SEW-003	4/16/2021 10:52:46 AM	1.5	31.2	6.4	60.9	72.5	72.7	4.45	4.45	-0.03	-0.02	-19.46
SEW-003	4/16/2021 10:53:46 AM	1.5	30.8	6.5	61.2	73.2	73.2	3.14	3.36	-0.05	-0.04	-19.42
T-56	4/6/2021 11:08:33 AM	51.1	36.8	0.0	12.1	59.9	59.9	13.16	12.21	-0.04	-0.02	-13.71
T-56	4/12/2021 8:59:31 AM	45.2	35.0	1.8	18.0	57.5	57.5	13.80	13.71	-0.12	-0.12	-13.65
T-56	4/12/2021 9:02:17 AM	45.5	34.0	1.7	18.8	57.7	57.6	13.74	13.44	-0.10	-0.10	-13.77
T-56	4/14/2021 10:53:09 AM	45.3	34.3	0.4	20.0	57.9	58.0	13.42	13.36	-0.02	-0.02	-13.56
T-56	4/19/2021 9:20:23 AM	53.0	34.7	0.3	12.0	57.6	57.7	10.98	11.69	-0.01	-0.01	-13.69
T-56	4/27/2021 11:21:06 AM	54.8	36.4	0.0	8.8	64.0	63.9	19.15	18.73	0.02	0.01	-13.35
T-56	4/27/2021 11:22:59 AM	54.7	36.1	0.0	9.2	64.1	64.1	19.76	19.76	0.00	0.00	-13.52
T-56	4/28/2021 7:48:41 AM	50.1	35.7	0.4	13.8	59.0	59.2	10.21	8.95	-0.06	-0.06	-13.77

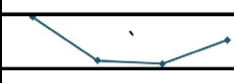
ATTACHMENT D-2

MAXIMUM WELLHEAD TEMPERATURE TABLE

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	January 2021	February 2021	March 2021	April 2021	><30°F	
GEW-002	109.0	109.8	110.0	111.3		
GEW-003	80.0	90.8	105.6	115.3		
GEW-004	106.0	106.9	108.0	110.2		
GEW-005	71.7	72.1	75.6	81.9		
GEW-006	80.2	80.5	81.4	83.3		
GEW-007	85.7	84.7	87.8	89.4		
GEW-008	109.2	108.7	110.5	111.0		
GEW-009	119.7	119.0	122.1	122.5		
GEW-010	75.2	75.7	86.8	88.6		
GEW-013A	194.8	192.3	194.3	194.7		
GEW-015	92.9	101.1	99.6	111.2		
GEW-016R	137.1	136.2	137.1	147.4		
GEW-018B	198.6	197.2	193.6	199.3		
GEW-019A	41.1	61.6	80.5	68.8		
GEW-039	98.0	97.0	101.8	100.1		
GEW-040	51.3	53.4	74.7	81.9		
GEW-041R	115.9	66.8	80.0	91.7		
GEW-042R	96.5	93.4	96.0	98.4		
GEW-043R	113.5	113.0	113.2	113.8		
GEW-044	61.3	71.2	76.4	83.9		
GEW-045R	88.4	87.0	90.3	92.9		
GEW-046R	96.2	95.0	93.6	96.2		
GEW-047R	90.5	87.0	90.3	96.7		
GEW-048	91.7	92.2	92.5	95.8		
GEW-049	90.3	67.2	78.3	85.8		
GEW-050	91.8	88.3	93.9	97.7		
GEW-051	108.2	93.3	112.5	117.9		
GEW-052	98.9	95.5	100.7	100.8		
GEW-053	140.9	140.5	133.5	139.9		
GEW-054	145.9	145.0	144.2	144.2		
GEW-055	125.3	126.1	129.7	132.3		
GEW-056R	83.0	72.3	87.9	94.8		
GEW-057B	154.4	65.1	84.2	66.0		
GEW-058A	--	--	--	--		Temporarily decommissioned
GEW-059R	93.4	86.1	118.6	126.1		
GEW-067A	184.5	178.9	187.6	194.2		
GEW-068A	166.6	167.1	166.1	162.9		
GEW-078R	143.2	153.9	156.9	153.3		
GEW-082R	172.1	170.6	171.0	168.4		

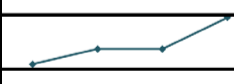
Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	January 2021	February 2021	March 2021	April 2021	><30°F	
GEW-086	156.9	143.2	153.7	141.5		
GEW-087	194.3	191.9	197.2	203.9		
GEW-088	135.0	168.1	170.0	168.1		
GEW-090	153.4	156.5	158.3	155.6		
GEW-091	198.6	197.9	202.3	201.6		
GEW-100	127.4	69.1	64.8	96.5		
GEW-101	63.2	74.3	75.9	81.9		
GEW-102	64.8	59.2	70.0	75.3		
GEW-104	185.1	193.5	180.9	184.3		
GEW-105	62.6	66.5	87.0	89.1		
GEW-106	155.2	57.2	57.3	71.8		
GEW-107	97.5	89.8	118.1	109.5		
GEW-108	114.3	108.2	122.8	124.6		
GEW-109	57.2	64.9	79.3	75.2		
GEW-110	102.2	100.2	116.3	130.0		
GEW-113	174.2	176.1	174.2	175.8		
GEW-116	94.8	95.3	99.1	86.2		
GEW-117	115.8	107.0	125.2	123.9		
GEW-118	203.1	199.4	197.9	203.1		
GEW-120	98.4	109.5	116.8	107.2		
GEW-121	126.4	119.9	124.2	112.0		
GEW-122	58.0	60.7	73.0	69.2		
GEW-123	69.8	62.8	66.8	65.4		
GEW-124	49.5	62.4	61.6	76.8		
GEW-125	57.7	59.6	66.8	74.3		
GEW-126	59.0	58.2	66.8	67.3		
GEW-127	53.7	62.3	68.0	75.7		
GEW-128	--	--	--	--		Temporarily decommissioned
GEW-129	98.2	111.0	101.3	89.6		
GEW-130	134.9	136.7	142.5	144.7		
GEW-131	112.7	100.1	98.2	124.2		
GEW-132	91.5	87.4	110.0	101.1		
GEW-133	54.6	69.3	97.7	81.0		
GEW-134	40.5	59.2	79.6	96.2		
GEW-135	52.9	66.6	88.4	104.3		
GEW-137	47.9	61.9	73.2	67.3		
GEW-138	--	--	--	--		Temporarily decommissioned
GEW-139	56.7	63.3	64.9	90.8		




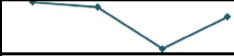
Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	January 2021	February 2021	March 2021	April 2021	><30°F	
GEW-140	42.1	61.0	60.7	88.9		
GEW-144	44.9	62.6	70.2	77.3		
GEW-145	55.7	60.7	71.1	62.3		
GEW-147	150.5	151.7	148.8	152.9		
GEW-148	121.5	125.4	127.7	136.8		
GEW-149	58.9	52.7	73.3	76.4		
GEW-150	143.9	136.5	145.9	150.3		
GEW-151	--	--	--	--		Temporarily decommissioned
GEW-152	53.7	52.6	82.1	78.0		
GEW-153	70.9	69.3	95.0	92.7		
GEW-154	--	--	--	--		Temporarily decommissioned
GEW-155	--	--	--	--		Temporarily decommissioned
GEW-156	83.1	86.1	106.2	114.5		
GEW-157	59.7	51.0	80.6	59.9		
GEW-158	71.5	66.1	74.7	80.5		
GEW-159	--	--	--	--		Temporarily decommissioned
GEW-160	50.7	61.9	76.9	76.1		
GEW-161	67.9	70.2	87.0	90.6		
GEW-162	54.5	62.3	81.2	76.4		
GEW-163	79.4	74.8	77.6	76.4		
GEW-164	126.7	116.0	118.4	116.0		
GEW-165	114.0	108.2	121.8	128.3		
GEW-166	173.1	156.9	165.7	162.5		
GEW-167	112.0	109.1	114.1	117.3		
GEW-168	75.5	74.3	82.3	82.1		
GEW-169	76.3	69.3	77.1	81.2		
GEW-170	81.4	70.2	95.0	97.0		
GEW-171	48.7	60.5	58.0	78.0		
GEW-172	102.5	94.6	134.8	130.3		
GEW-173	--	--	--	--		Temporarily decommissioned
GEW-174	64.0	128.3	128.9	121.8		
GEW-175	104.8	53.9	77.7	78.2		
GEW-176	--	--	--	--		Temporarily decommissioned
GEW-177	157.7	153.1	145.6	137.1		
GEW-178	56.7	57.1	68.9	61.4		
GEW-179	70.1	78.7	84.2	82.6		

Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	January 2021	February 2021	March 2021	April 2021	><30°F	
GEW-180	58.4	68.1	74.8	77.3		
GEW-181	52.0	61.0	69.8	75.7		
GEW-182	--	--	--	--		Temporarily decommissioned
GEW-184	--	--	--	--		Temporarily decommissioned
GEW-185	65.7	121.5	131.5	129.2		
GEW-186	65.7	79.4	87.5	85.4		
GEW-187	93.6	94.6	100.9	100.4		
GEW-188	--	--	--	--		Temporarily decommissioned
GEW-217	100.6	62.3	59.0	85.6		
GEW-218	78.0	68.9	76.1	69.6		
GEW-219	--	--	--	--		Temporarily decommissioned
GEW-220	75.0	70.2	97.2	107.7		
GEW-221	57.7	62.8	80.4	95.0		
GEW-222	59.1	65.4	72.5	77.6		
GEW-223	112.6	121.3	149.1	152.5		
GEW-224	130.1	133.8	125.0	130.9		
GEW-225	143.8	136.8	141.2	138.3		
GEW-226	165.2	153.7	147.1	163.4		
GEW-227	191.1	170.5	150.7	164.3		
GEW-228	114.3	158.7	160.8	--		Temporarily decommissioned
GEW-229	79.2	90.2	88.2	--		Temporarily decommissioned
GEW-230	--	--	--	--		Temporarily decommissioned
GEW-231	--	--	--	--		Temporarily decommissioned
GEW-232	107.2	107.9	129.7	138.7		
GEW-233	42.9	59.4	59.4	93.5		
GEW-234	198.6	201.6	149.9	178.0		
GEW-235	111.0	129.7	157.7	179.2		
GEW-236	203.9	195.9	191.2	203.2		
GEW-237	135.9	124.8	127.2	122.4		
GEW-238	187.0	189.6	188.9	187.7		
GEW-239	200.1	198.1	199.4	197.9		
GEW-240	186.1	179.7	185.8	179.2		
GEW-241	122.9	123.1	125.3	127.1		
GEW-242	158.5	195.0	182.7	178.0		
GEW-243	157.7	152.7	155.6	152.7		

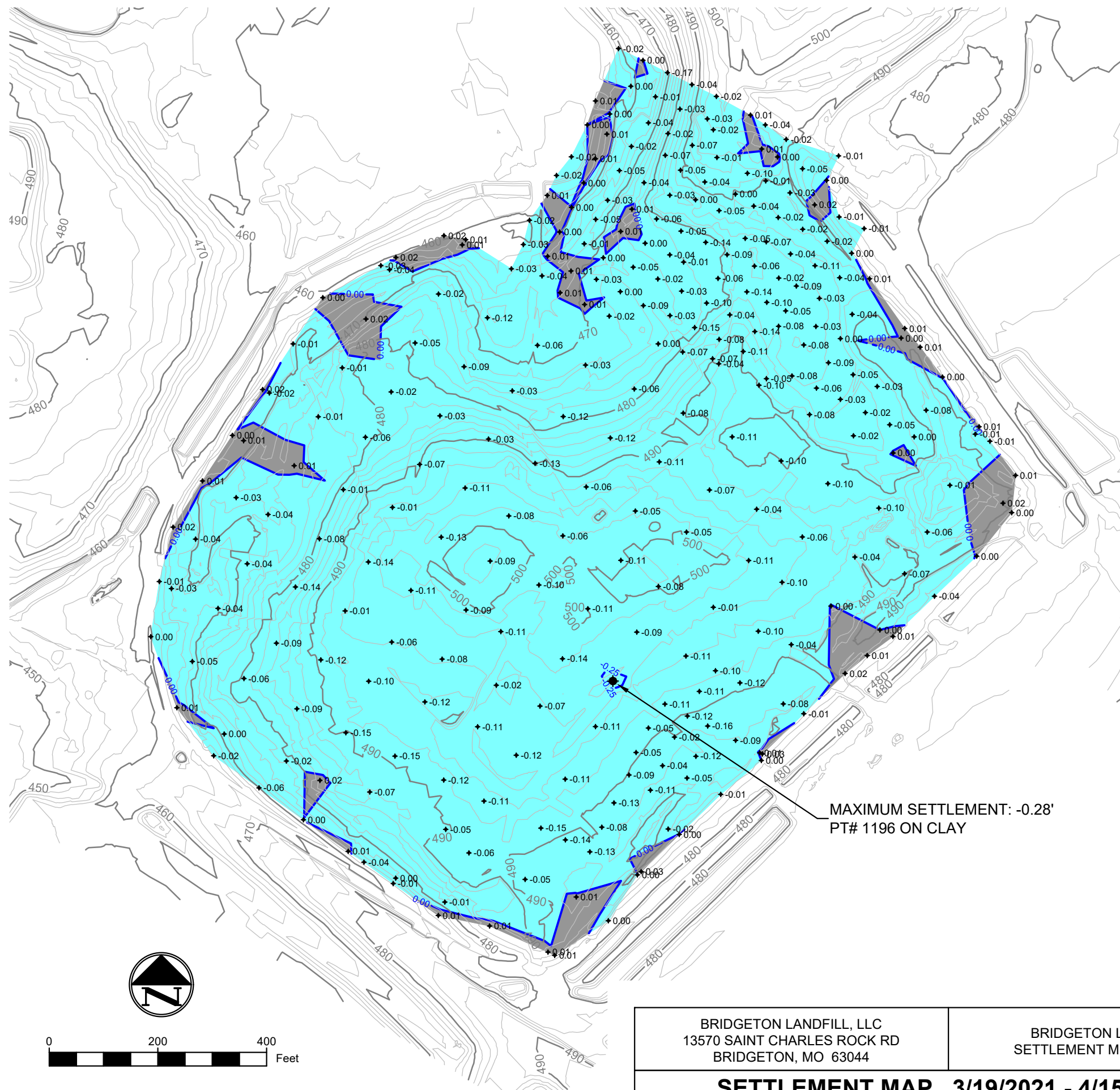
Wellfield Temperature - Bridgeton Landfill

Well Name					Temp Trend	Comments
	January 2021	February 2021	March 2021	April 2021	><30°F	
GEW-244	114.3	74.1	74.7	144.2		
GEW-245	50.2	80.5	88.6	105.4		
GEW-246	200.8	196.4	176.6	187.6		
GEW-247	87.1	92.4	99.1	94.2		
GEW-248	182.7	94.8	190.9	98.7		
GEW-249	113.7	104.5	108.2	97.2		
GEW-250	153.3	155.6	173.7	166.5		
GEW-251	201.6	200.8	133.5	200.8		
GEW-252	179.2	169.5	92.9	151.8		
GEW-253	180.3	179.7	171.0	162.4		
GEW-2S	58.2	69.3	70.7	80.7		
GIW-01	116.8	107.7	113.5	117.1		
GIW-02	49.3	61.4	72.7	87.8		
GIW-03	45.6	58.7	71.4	85.0		
GIW-04	45.8	63.5	73.4	85.1		
GIW-05	42.5	60.8	74.5	88.4		
GIW-06	43.7	60.2	75.7	84.7		
GIW-07	47.9	64.7	75.4	85.8		
GIW-08	51.5	61.4	75.7	86.5		
GIW-09	45.6	63.1	74.4	84.3		
GIW-10	47.9	64.1	76.1	85.6		
GIW-11	46.2	62.6	78.5	87.2		
GIW-12	46.9	58.0	76.2	85.4		
GIW-13	49.0	61.1	75.5	85.8		
LCS-1D	57.3	50.8	76.4	59.8		
LCS-2D	40.8	60.7	69.7	67.2		
LCS-3D	137.1	154.9	160.7	160.7		
LCS-4B	62.4	60.4	68.9	70.9		
LCS-5A	91.3	87.7	88.4	88.5		
LCS-5B	123.9	102.4	130.3	124.2		
LCS-6B	78.7	83.0	86.3	93.1		
SEW-002	41.5	59.1	71.8	67.0		
SEW-003	61.3	56.7	68.0	73.2		
T-56	46.5	45.6	54.2	64.1		

-- = 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	1,437,739.15	Cyan
6	0.00	1.00	94,696.82	Grey


LEGEND

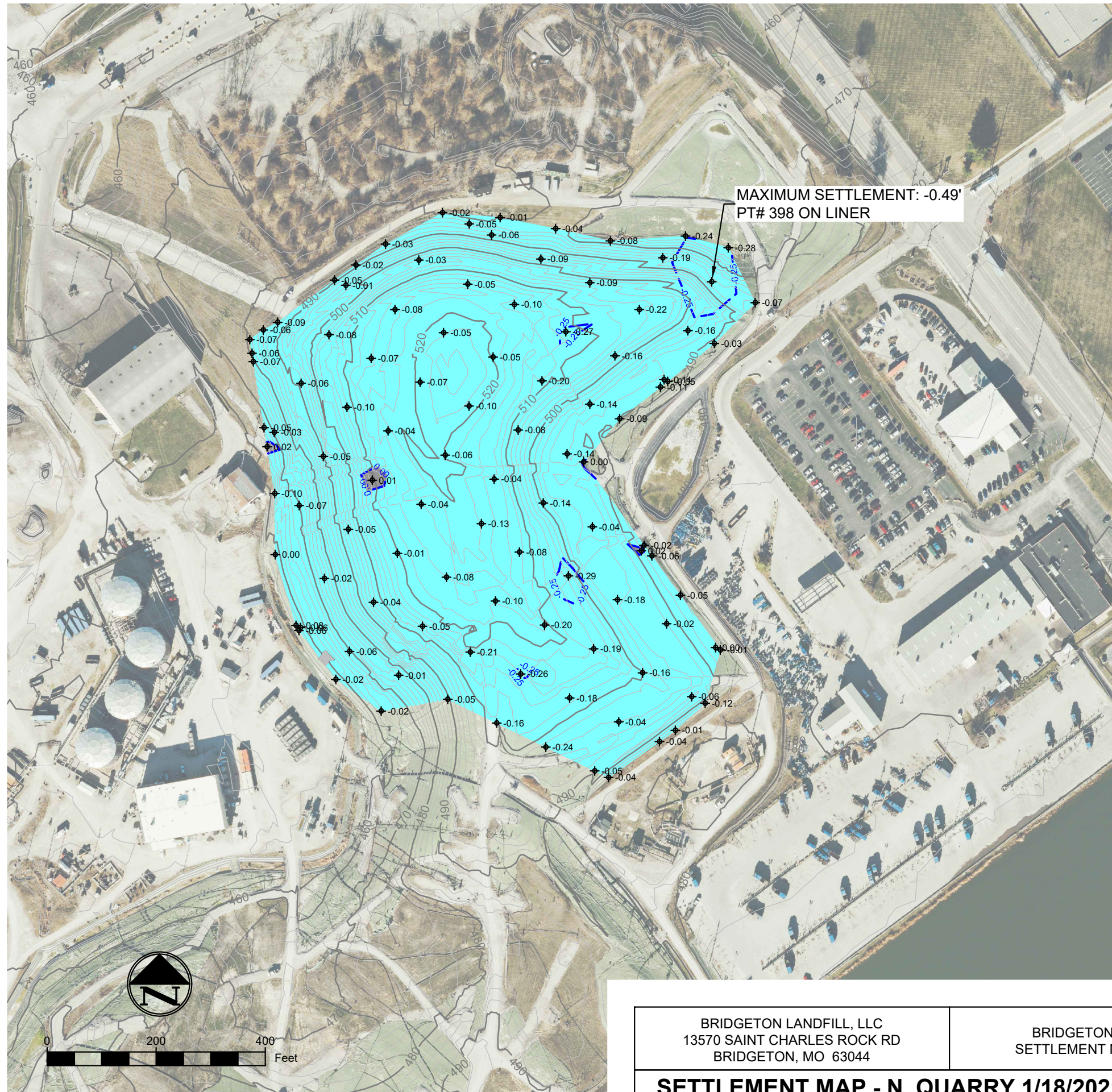
- 12-09-2020 TOPOGRAPHY (2' CONTOUR)
 - 12-09-2020 TOPOGRAPHY (10' CONTOUR)
 - .25 MINOR ELEVATION CHANGE CONTOUR (0.25 FEET)
 - .50 MAJOR ELEVATION CHANGE CONTOUR (0.50 FEET)
 - 0.03 SPOT ELEVATION DIFFERENCE (3-19-2021 to 4-15-2021)
 - 4-2021 *SETTLEMENT FRONT CONTOUR FOR AREA WITH 1.22' PER 27 DAYS FOR CURRENT PERIOD OF DAYS
- *NONE FOR APRIL 2021

NOTES:

- EXISTING CONTOURS DEVELOPED FROM SITE AERIAL TOPOGRAPHIC SURVEY BY COOPER AERIAL SURVEYS CO. ON DECEMBER 9, 2020.
- FOR CLARITY, NOT ALL SITE FEATURES MAY BE SHOWN.
- ELEVATION DIFFERENCE DETERMINED BY SUBTRACTING SPOT ELEVATIONS SURVEYED ON 3-19-21 FROM SPOT ELEVATIONS SURVEYED ON 4-15-21.
- SURVEY POINTS WERE PERFORMED USING GPS METHODS.
- SETTLEMENT RANGE SURFACE WAS GENERATED FROM THE SPOT ELEVATION DIFFERENCES.
- ELEVATION DIFFERENCES THAT ARE SHOWN AS NEGATIVE INDICATE SPOTS OF SETTLEMENT.
- 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: -0.28'
PT# 1196 ON CLAY

BRIDGETON LANDFILL, LLC 13570 SAINT CHARLES ROCK RD BRIDGETON, MO 63044	BRIDGETON LANDFILL SETTLEMENT MONITORING	
SETTLEMENT MAP 3/19/2021 - 4/15/2021		APRIL 2021 DESIGNED BY: IN APPROVED BY: DRF
PROJECT NUMBER: BT-145 FILE PATH: C:\Users\User\Desktop\Feezor Engineering\Bridgeton\100-149BT-145 (Agreed Order Reporting)\Monthly Reports\202104-2021 Report\Internal Draft\Site Data\Settlement\Settlement And Fil		REVISION DATE
		DRAWING NO.: 001



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	640,207.92	Cyan
6	0.00	1.00	2,042.19	Grey

LEGEND

- 12-09-2020 TOPOGRAPHY (2' CONTOUR)
- 12-09-2020 TOPOGRAPHY (10' CONTOUR)
- .25 MINOR ELEVATION CHANGE CONTOUR (0.25 FEET)
- .50 MAJOR ELEVATION CHANGE CONTOUR (0.50 FEET)
- .03 SPOT ELEVATION DIFFERENCE (1-18-2021 to 4-15-2021)
- ~~4-2021~~ *SETTLEMENT FRONT CONTOUR FOR AREA WITH 3.92' PER 87 DAYS FOR CURRENT PERIOD OF DAYS
*NONE FOR 1-18-2021 THROUGH 4-15-2021

NOTES:

1. EXISTING CONTOURS DEVELOPED FROM SITE AERIAL TOPOGRAPHIC SURVEY BY COOPER AERIAL SURVEYS CO. ON DECEMBER 9, 2020.
2. FOR CLARITY, NOT ALL SITE FEATURES MAY BE SHOWN.
3. ELEVATION DIFFERENCE DETERMINED BY SUBTRACTING SPOT ELEVATIONS SURVEYED ON 4-15-21 FROM SPOT ELEVATIONS SURVEYED ON 1-18-21.
4. SURVEY POINTS WERE PERFORMED USING GPS METHODS.
5. SETTLEMENT RANGE SURFACE WAS GENERATED FROM THE SPOT ELEVATION DIFFERENCES.
6. ELEVATION DIFFERENCES THAT ARE SHOWN AS NEGATIVE INDICATE SPOTS OF SETTLEMENT.
7. ANY POINTS THAT ARE NOT A GROUND-TO-GROUND COMPARISON TO THE PREVIOUS MONTH'S POINTS, OR THAT WERE NOT SURVEYED IN THE SAME LOCATION AS THE PREVIOUS MONTH ARE NOT INCLUDED AND WERE NOT USED IN ANY SURFACE GENERATION.

BRIDGETON LANDFILL, LLC
13570 SAINT CHARLES ROCK RD
BRIDGETON, MO 63044

BRIDGETON LANDFILL
SETTLEMENT MONITORING

SETTLEMENT MAP - N. QUARRY 1/18/2021 - 4/15/2021

PROJECT NUMBER: BT-145 | FILE PATH: C:\Users\User\Dropbox (Feezor Engineering)\Bridgeton\100-149\BT-145 (Agreed Order Reporting)\Quarterly Settlement\2021-04\Quarterly NQ Settlement 4-15-2021.dwg



APRIL 2021	
DESIGNED BY: IN	
APPROVED BY: DRF	
REVISION	DATE

DRAWING NO.:
003

ATTACHMENT F

LIQUID CHARACTERIZATION DATA AND DISCHARGE LOG

Bridgeton Landfill - Leachate PreTreatment Plant

April 2021

Liquid Characterization Data

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

Hauled Disposal to MSD – Bissell Point

Date	Waste	Source	Transporter	Quantity
4/1/2021				0
4/2/2021				0
4/3/2021				0
4/4/2021				0
4/5/2021				0
4/6/2021				0
4/7/2021				0
4/8/2021				0
4/9/2021				0
4/10/2021				0
4/11/2021				0
4/12/2021				110,900
4/13/2021				122,800
4/14/2021				127,000
4/15/2021	LPTP Activated Sludge/ Permeate	Tank 1 (T1) -Tank 4 (T4)	Hunt	129,600
4/16/2021				107,000
4/17/2021				119,000
4/18/2021				136,400
4/19/2021				149,800
4/20/2021				148,400
4/21/2021				121,800
4/22/2021				148,400
4/23/2021				238,800
4/24/2021				198,000
4/25/2021				198,400
4/26/2021				246,400
4/27/2021				213,000
4/28/2021				228,200
4/29/2021				215,400
4/30/2021				175,800
Total				3,135,100

Direct Discharge to MSD

Date	Waste	Source	Quantity (gal)
4/1/2021			155,918
4/2/2021			155,076
4/3/2021			140,678
4/4/2021			122,088
4/5/2021			109,283
4/6/2021			98,875
4/7/2021			99,899
4/8/2021			110,012
4/9/2021			88,131
4/10/2021			88,319
4/11/2021			85,081
4/12/2021			77,860
4/13/2021			84,585
4/14/2021			87,680
4/15/2021	LPTP Permeate	Through Tank AST 97k (MSD Sampling Point 013)	80,643
4/16/2021			81,664
4/17/2021			89,554
4/18/2021			78,973
4/19/2021			72,733
4/20/2021			59,971
4/21/2021			73,596
4/22/2021			64,152
4/23/2021			62,110
4/24/2021			54,536
4/25/2021			47,262
4/26/2021			51,225
4/27/2021			75,392
4/28/2021			67,951
4/29/2021			90,751
4/30/2021			75,728
Total			2,629,726

ATTACHMENT G

VOLUMES OF LEACHATE PROCESSED

Bridgeton Landfill - Leachate Volumes

April 2021

Total volume of leachate from the individual leachate collection sumps during the month. Additional non-LCS leachate was collected and the total volume was 3,307,834 gallons. Therefore, the total leachate collected was 4,024,440 gallons.

ID	Volume
LCS -1D	7
LCS-2D	0
LCS-3D	150,648
LCS-4B	0
LCS-5A	553,728
LCS-5B	5,568
LCS-6B	6,655

ATTACHMENT H

SLIP FAILURE AND SEPARATION ASSESSMENT



April 28, 2021

Ms. Erin Fanning
Division Manager
Bridgeton Landfill, LLC.
13570 Saint Charles Rock Road
Bridgeton, MO 63044

RE: Bridgeton Slip Failure and Separation Assessment
1st Quarter 2021 Inspection

Dear Erin,

On March 22, 2021, I performed an inspection of the Bridgeton Landfill for the purpose of identifying any visual evidence of instability or incipient failure. The inspection included the North and South Quarry fill areas. This inspection was for the 1st quarter of 2021. The previous inspection was performed on December 15, 2020.

The observation of the slopes for both the North and South Quarry areas was performed to look for telltale signs of movements related to instability, including areas of suspension of the membrane on the upslope areas that would result if scarping, not visible due to the temporary membrane cap, existed. In addition, areas that showed indicated localized differential settlement were walked over to determine if any open tension cracking, an indication of separation, was present. The observations were made while walking along the areas within the landfill boundaries.

The inspection did not identify any previously unobserved (and reported) movements or signs of movement within the North or South Quarry that could be potential signs of instability. The landfill surface in the South Quarry shows signs of continued settlement with minor areas of tension in the membrane along the eastern side approximately above the underlying Quarry wall related to differential settlement in the area. No increase in tension within this area was observed.

Since the quarterly inspections were begun in 2013, the sloping portions of the landfill are noticeably flatter and therefore, less prone to instability. As mentioned in the past few inspection reports, there are very few areas within the heat-affected portions of the South Quarry that have slopes exceeding 20%. This general reduction in vertical relief has essentially eliminated any potential for instability of any consequence in the South Quarry. The only slopes that are close to the original ground surface slopes in the South Quarry are those south of the neck area. These areas were examined for any signs of movement and none was observed.

No significant fill had been placed in the south quarry since the last inspection. No open tension cracking was indicated in area of the differential settlement when pressing the membrane down to contact the underlying ground surface in this area. Fill material placement and lining has been completed northeast of the north quarry fill limits at the time of this inspection.

The North Quarry cap construction has been completed since the second quarter inspection of 2017. No signs of instability were observed in the North Quarry.

In addition, a review of the monthly settlement at grid points in the South Quarry for the past quarter and settlement in the North Quarry between January 18, 2021 and April 15, 2021 was performed. I did not see any indication of instability in the data. No indication of instability was observed in the South Quarry based on settlement patterns. As mentioned in previous reports, the Bridgeton site has not exhibited a coupling of instability and settlement.

This is the thirty-third (34) review I have performed of this type at the Bridgeton Landfill since the fall of 2012. To date, no signs of impending instability of any consequence has been identified or occurred.

I hope this information is helpful to you. Please call if there are any questions.

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Sincerely,



Peter Carey, P.E.
Feezor Engineering, Inc.