

Bridgeton Landfill, LLC

Monthly Data Submittals

July 2018

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

August 20, 2018

Commentary on Data

August 20, 2018

This is the first monthly report submitted under the June 29, 2018 Final Consent Judgement, Case No. 13SL-CC01088-01, between Bridgeton Landfill, LLC and the State of Missouri. Section IX. Paragraph 33.f of the Final Consent Judgment states the monthly report must contain data and a summary narrative of the operating conditions for the following items:

- i. Daily flare monitoring data, including cumulative flow from all flares, inlet data, and associated graphs;
- ii. Carbon Monoxide Data for gas extraction wells and gas interceptor wells;
- iii. Hydrogen Data for gas extraction wells and gas interceptor wells;
- iv. Datum files and a settlement front map for the Neck Area and South Quarry;
- v. Well data as currently collected, including well field temperature, analysis, and monitoring by well;
- vi. A Gas Extraction Well and Gas Interceptor Well Condition/Status Update Report that addresses the current operating condition/status of each well;
- vii. The volume of leachate processed by the Leachate Pre-treatment Plant and the volumes transported off Site via truck and direct discharge;
- viii. The volumes generated by each of the leachate collection sums (LCSs);
- ix. A summary of all leachate spills/leaks of more than fifty-five gallons. The summary shall include the date, time, location, volume of spilled liquid, characterization data including laboratory analyses, and corrective actions taken;
- x. For gas extraction wells that exhibit liquid-free gas flow and that are safe for gas sampling and temperature analysis and monitoring, carbon monoxide shall be analyzed via summa canister collection and lab analysis every month for those wells identified in Exhibit D as North Quarry and Neck Area wells, and on a quarterly basis for those wells identified in Exhibit D as South Quarry wells;
- xi. A summary narrative describing whether natural gas was used as a supplemental fuel for destruction of landfill gas during the month including dates of usage and volume. If no natural gas was used as a supplemental fuel for destruction of landfill gas, a summary narrative detailing why supplemental fuel was not needed.

This monthly report has been reformatted to comply with the requirements of the Final Consent Judgment. As a result, the format will appear slightly different from prior Monthly Reports submitted under the First Agreed Order of Preliminary Injunction. Moving forward, all reports will follow the revised format, pursuant to the Final Consent Judgment.

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

Gas Volume

- As seen in Attachment B-1, the gas collection volumetric rate in for this month averaged 289 SCFM from the North Quarry and 1,032 SCFM from the South Quarry, for a total site flow of 1,321 SCFM, as normalized per the MDNR weekly flow and TRS sampling results.

Gas Quality

- Attachments D and E contain the monthly data related to gas quality as measured at the respective wellheads.
- Attachment E-1 contains vertical wells which had oxygen levels over 5% at one (1) or more weekly monitoring events during this reporting period. These consisted of 26 GEW wells that are experiencing low or restricted flows, two (2) leachate collection sumps (LCS), and two (2) GIW wells that have low gas flow due to the cooling loops that are installed within these wells. By the end of the month, 22 of the GEW wells, 2 of the LCS, and 1 of the GIW wells still exhibited oxygen at the wellhead at or greater than 5%. All of these wells are low-flow/vacuum sensitive wells with valves only slightly open. On-going tuning, maintenance, and pump operation are being performed to manage the oxygen content. With the exception of GEW-1A, all of these wells are in the South Quarry area where the flexible membrane liner cap is in place to prevent atmospheric intrusion into the waste mass.
- Attachment E-2 contains gas temperatures as measured at the wellheads. Four (4) vertical wells (excluding GIW wells) increased by 30°F during this reporting period. Additionally, four (4) vertical wells (excluding GIW wells) decreased by 30°F or more. 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 during this reporting period exhibited a maximum wellhead temperature under 145°F. Carbon monoxide (CO) results were non-detect (ND) for North Quarry wells, with the exception of GEW-053 (60 ppm), consistent with past events.
- Site personnel have been performing a comprehensive wellfield investigation to optimize landfill gas collection and control (GCCS). Wells that have been previously 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 that have been identified to have downhole integrity issues will be scheduled for abandonment during the upcoming GCCS system expansion event. Wells that have been identified not to have downhole integrity issues and are no longer presenting with excessive moisture and/or dangerous conditions have been brought back online. Wells that have been identified not to have downhole integrity issues but

still present with excessive moisture and/or dangerous conditions will remain decommissioned until conditions at the location improve. Additional summa samples were collected and results analyzed to optimize the GCCS during the upcoming drilling event. This investigation will continue through Third Quarter 2018, and wellfield expansion and abandonment activities will be reported in the quarterly Landfill Gas Corrective Action Update.

Settlement

- The South Quarry exhibited monthly maximum settlement up to 0.50 feet over 32 days for this reporting period (see Attachment E).
- The North Quarry exhibited quarterly maximum settlement up to 0.31 feet over 94 days for 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. The requirements for landfill gas destruction under 40 CFR 60 Subpart WWW were achieved by meeting the provisions of 40 CFR 60 Subpart A under §60.18 for non-assisted flares.

ATTACHMENT A

DAILY FLARE MONITORING DATA

ATTACHMENT A-1

FLOW DATA TABLE

Daily Flare Monitoring Data - Bridgeton Landfill
July 2018

| Date | Average Device Flow* (scfm) | | | | Total Avg. Flow** (scfm) |
|----------------|-----------------------------|---------------------------|---------------------------|-----------------------------|-----------------------------|
| | Utility Flare (FL-100) | Utility Flare (FL-120) | Utility Flare (FL-140) | EP14 NQ Utility Flare*** | |
| 7/1/2018 | 0 | 931 | 11 | 251 | 1,192 |
| 7/2/2018 | 0 | 1,034 | 0 | 280 | 1,314 |
| 7/3/2018 | 0 | 1,020 | 0 | 278 | 1,299 |
| 7/4/2018 | 0 | 1,047 | 0 | 282 | 1,330 |
| 7/5/2018 | 0 | 1,057 | 0 | 288 | 1,345 |
| 7/6/2018 | 0 | 1,031 | 0 | 286 | 1,317 |
| 7/7/2018 | 0 | 1,015 | 0 | 278 | 1,293 |
| 7/8/2018 | 0 | 1,019 | 0 | 285 | 1,303 |
| 7/9/2018 | 0 | 1,035 | 0 | 290 | 1,325 |
| 7/10/2018 | 0 | 1,049 | 0 | 296 | 1,344 |
| 7/11/2018 | 0 | 1,058 | 0 | 292 | 1,350 |
| 7/12/2018 | 0 | 1,074 | 0 | 299 | 1,373 |
| 7/13/2018 | 0 | 1,084 | 0 | 320 | 1,404 |
| 7/14/2018 | 0 | 1,072 | 0 | 296 | 1,368 |
| 7/15/2018 | 0 | 1,053 | 0 | 293 | 1,346 |
| 7/16/2018 | 0 | 1,068 | 0 | 295 | 1,364 |
| 7/17/2018 | 0 | 1,068 | 0 | 290 | 1,358 |
| 7/18/2018 | 0 | 1,062 | 0 | 289 | 1,351 |
| 7/19/2018 | 0 | 1,044 | 0 | 286 | 1,331 |
| 7/20/2018 | 0 | 1,080 | 0 | 296 | 1,376 |
| 7/21/2018 | 0 | 1,047 | 0 | 289 | 1,336 |
| 7/22/2018 | 0 | 1,020 | 0 | 283 | 1,303 |
| 7/23/2018 | 0 | 1,051 | 0 | 292 | 1,344 |
| 7/24/2018 | 180 | 901 | 0 | 301 | 1,383 |
| 7/25/2018 | 0 | 964 | 18 | 283 | 1,265 |
| 7/26/2018 | 0 | 1,051 | 0 | 297 | 1,348 |
| 7/27/2018 | 0 | 1,021 | 0 | 290 | 1,312 |
| 7/28/2018 | 0 | 976 | 0 | 292 | 1,268 |
| 7/29/2018 | 0 | 947 | 0 | 280 | 1,228 |
| 7/30/2018 | 0 | 954 | 0 | 287 | 1,242 |
| 7/31/2018 | 0 | 945 | 0 | 290 | 1,235 |
| AVERAGE | 6 | 1,025 | 1 | 289 | 1,321 |

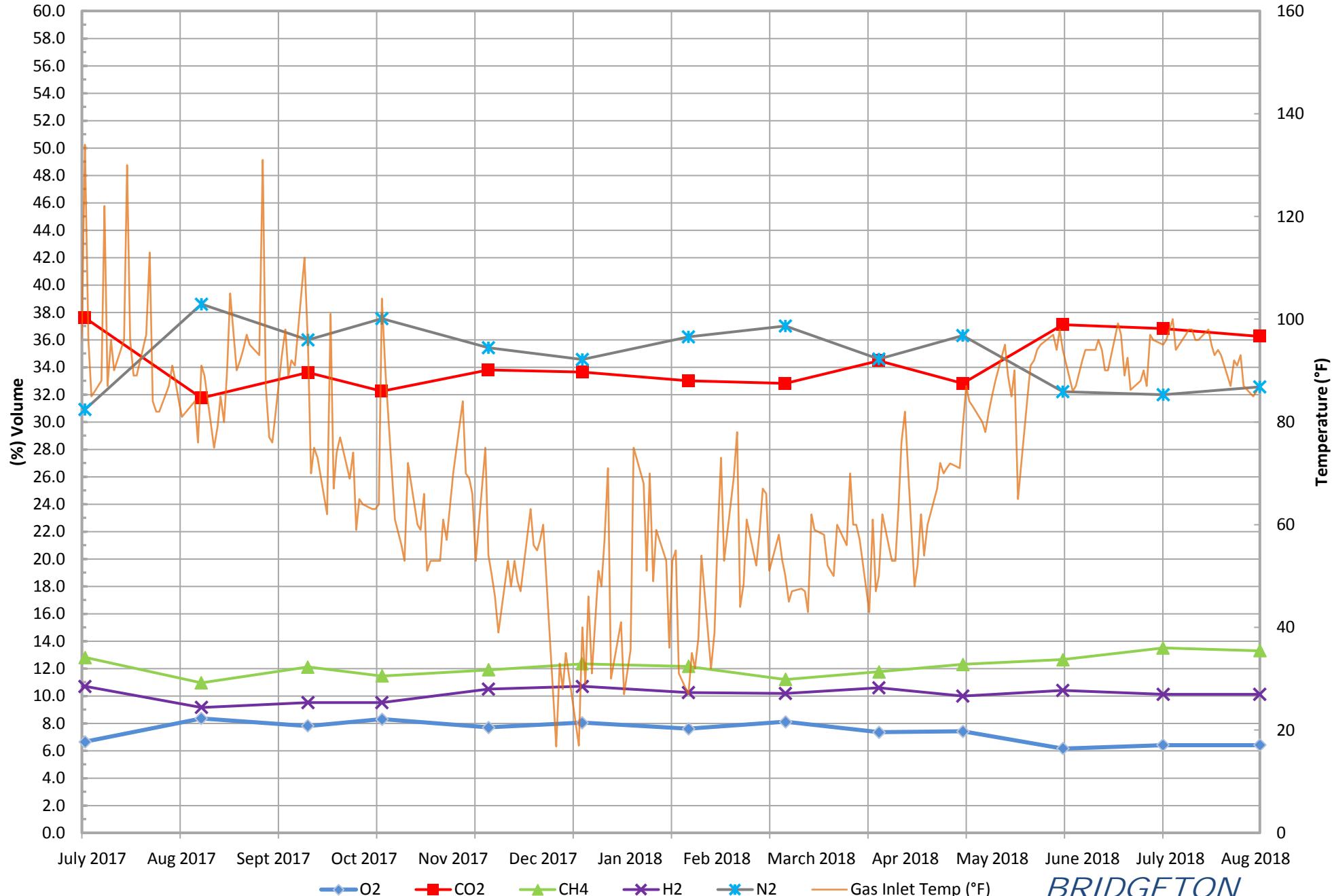
* Flows normalized to **Blower Outlet Flowmeter - EPA Method 2 measurement verified

*** On 3/18/2016, the Bridgeton Landfill began separating the North Quarry gas to the Auxiliary Flare.

ATTACHMENT A-2

FLOW DATA GRAPHS

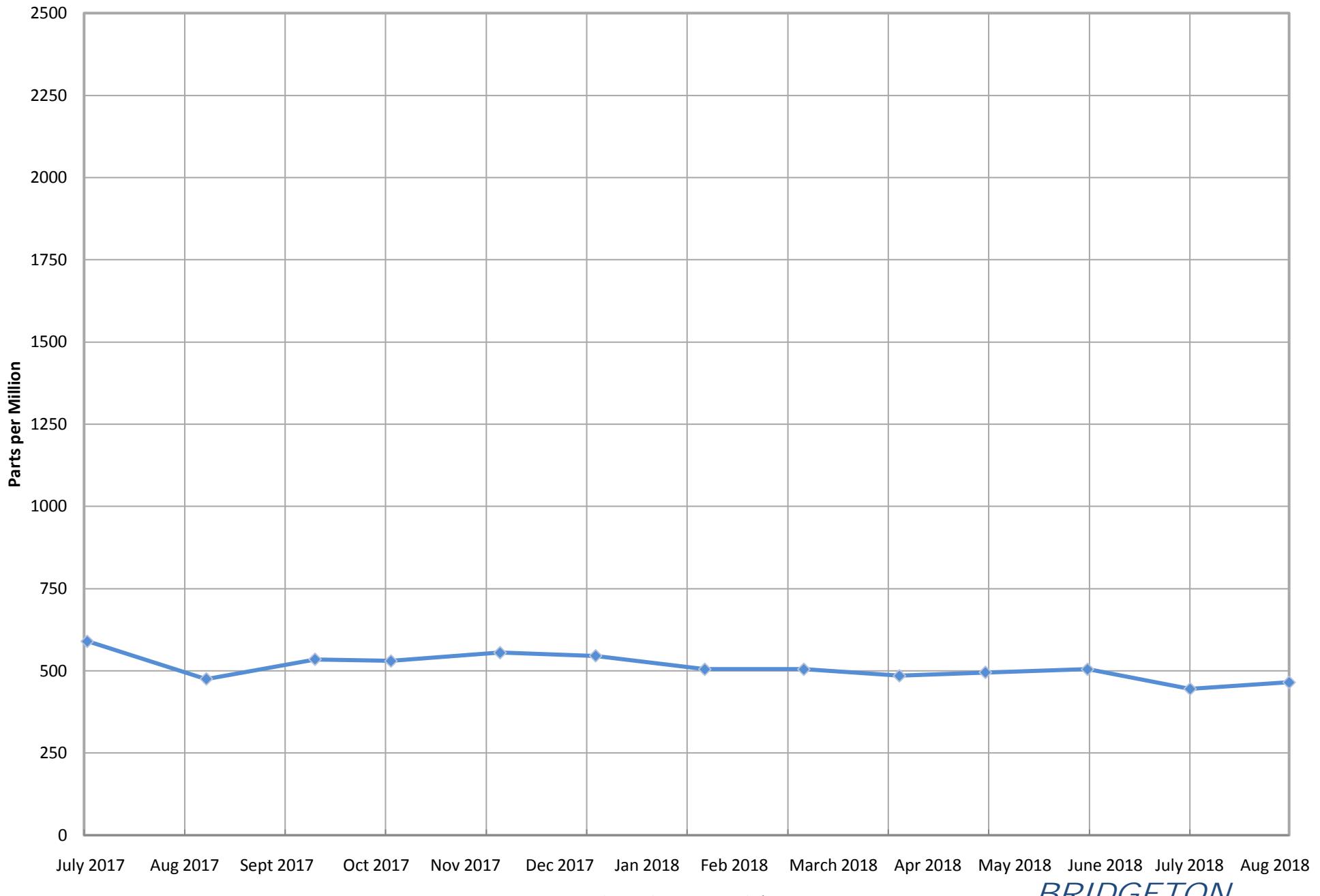
South Quarry Inlet Gas and Temperature*



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

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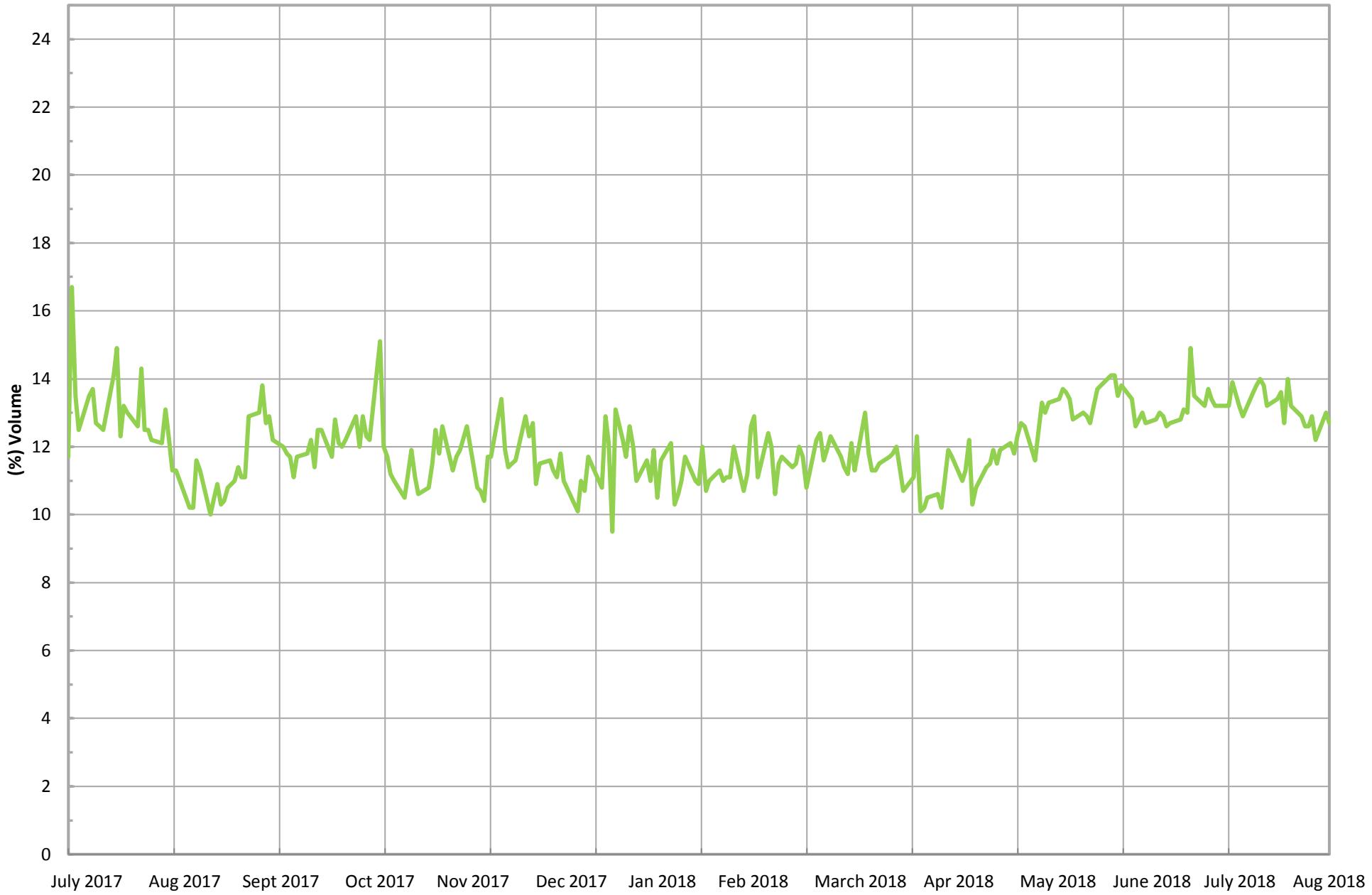
South Quarry Inlet Carbon Monoxide*



*Data collected from Laboratory Reports for the South Quarry.

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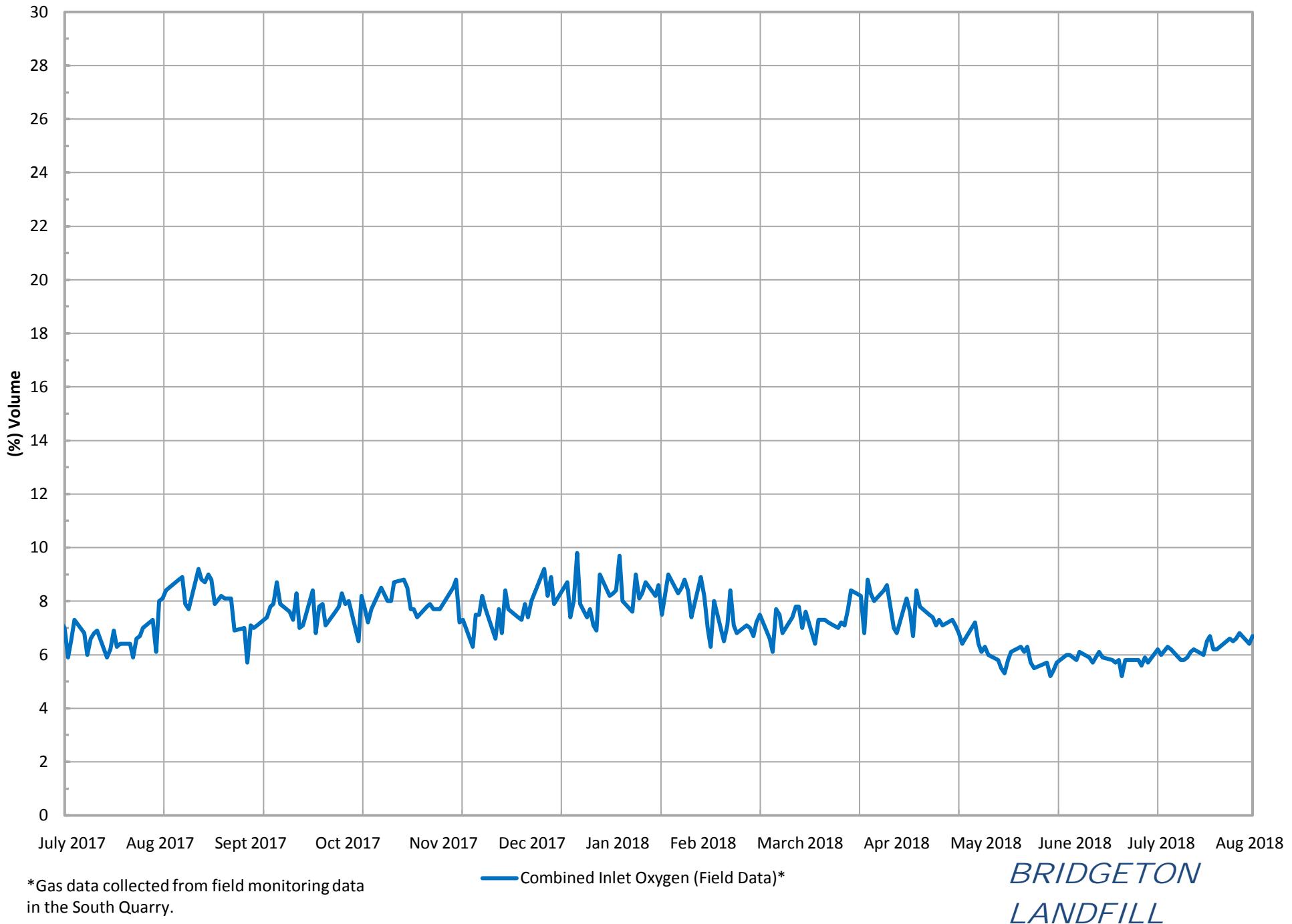
South Quarry Inlet Methane (Field Data)*



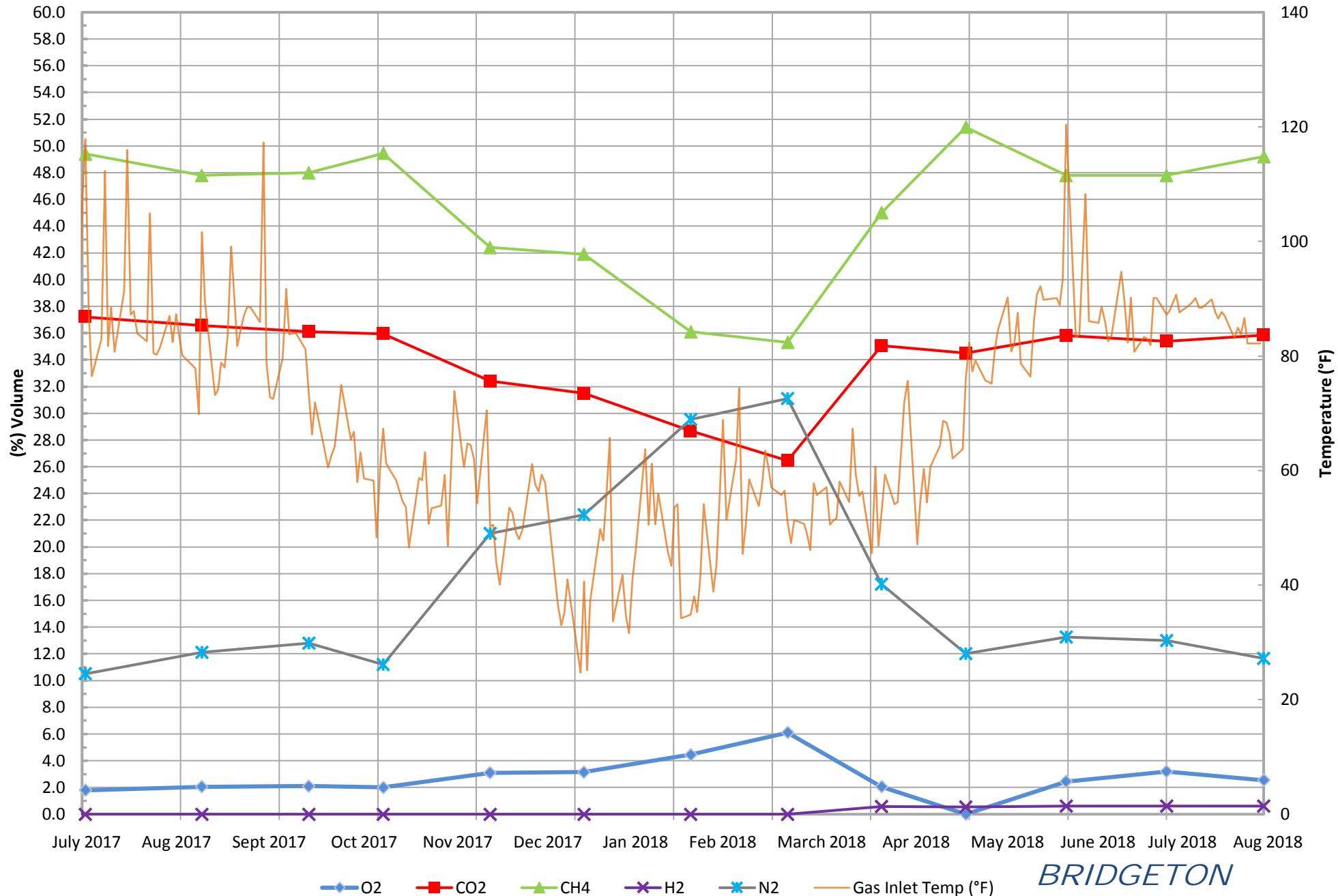
*Gas data collected from field monitoring data in the South Quarry.

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South Quarry Inlet Oxygen (Field Data)*



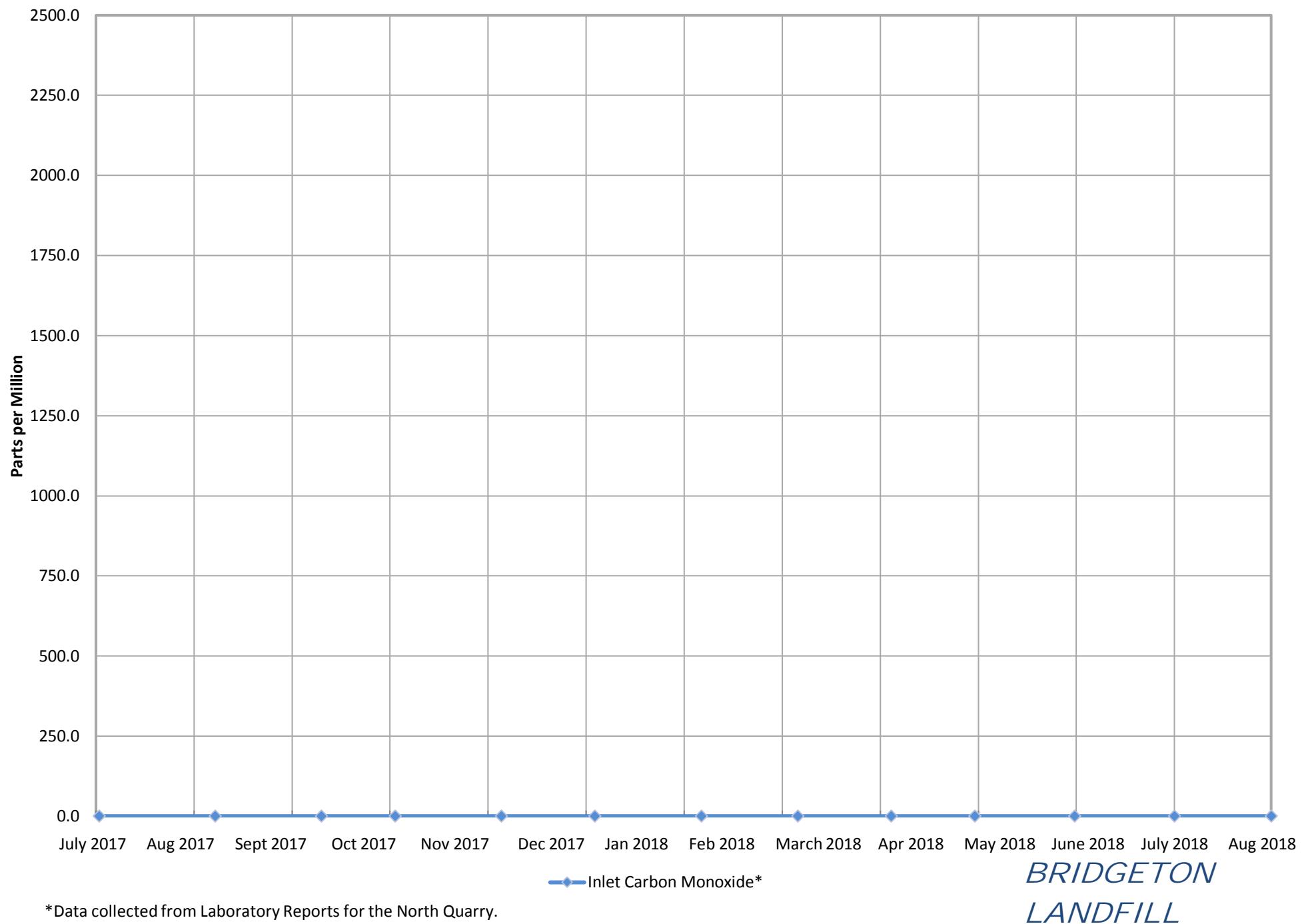
North Quarry Inlet Gas and Temperature*



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

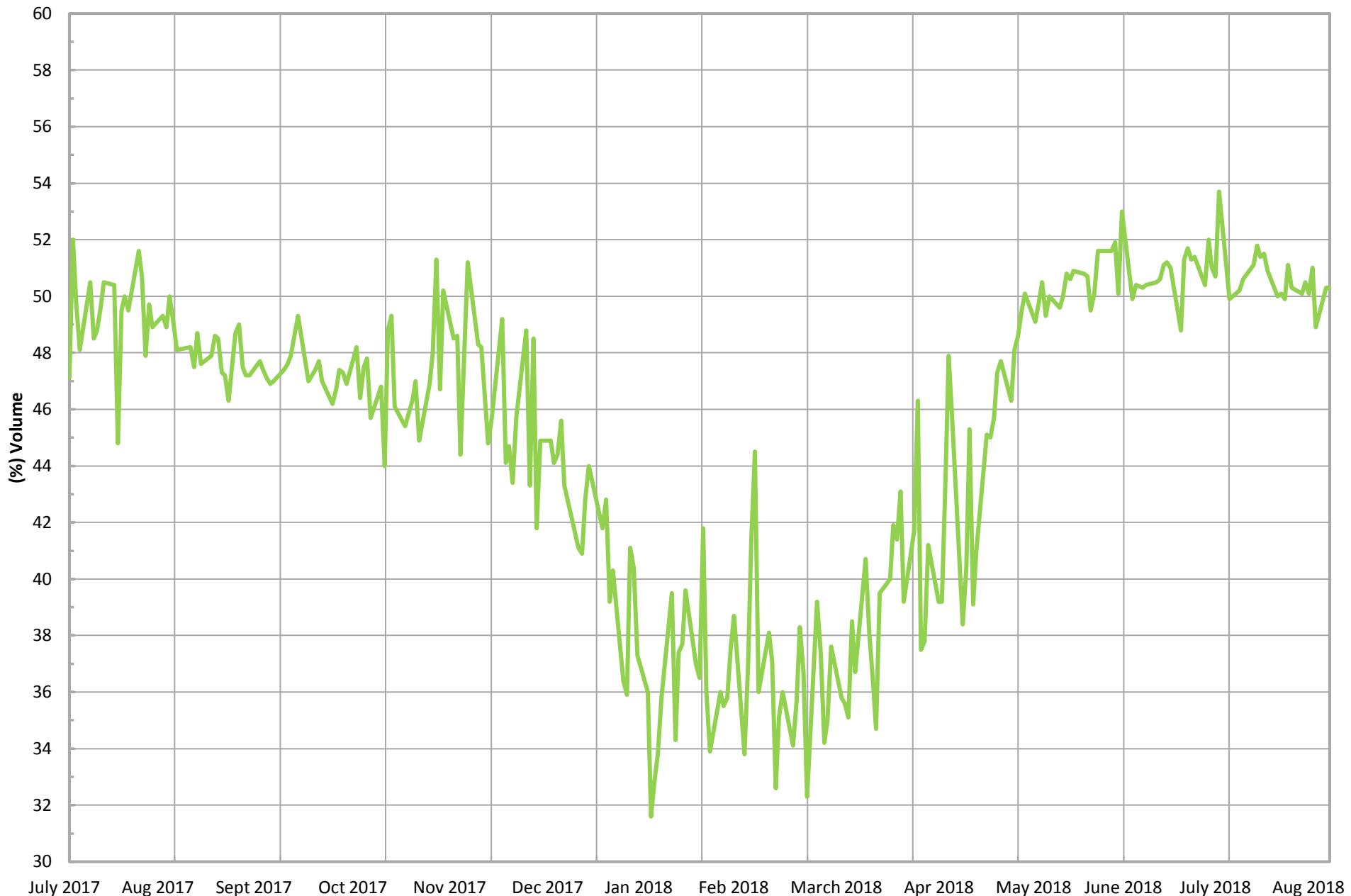
North Quarry Inlet Carbon Monoxide*



*Data collected from Laboratory Reports for the North Quarry.

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North Quarry Inlet Methane (Field Data)*

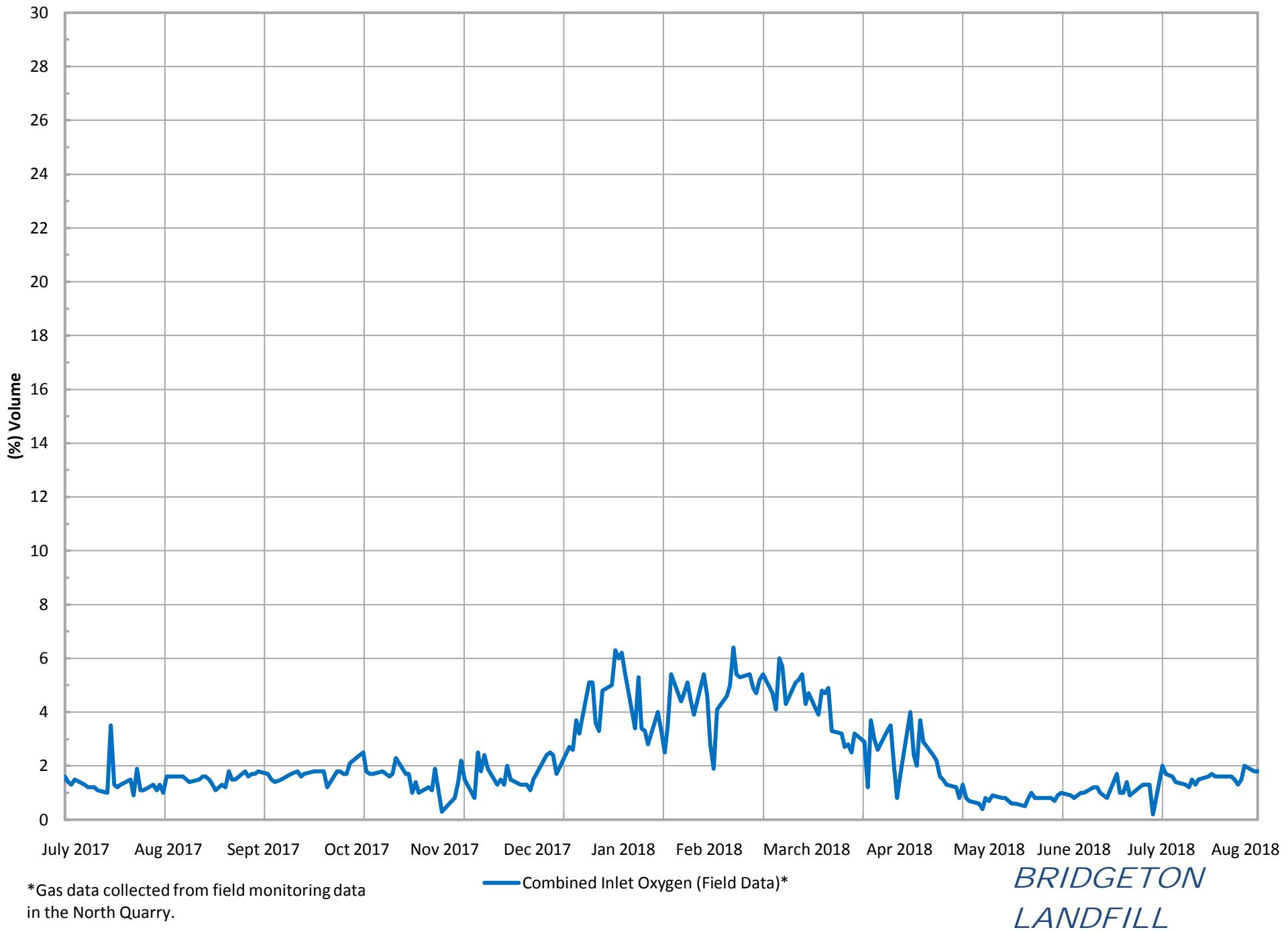


*Gas data collected from field monitoring data in the North Quarry.

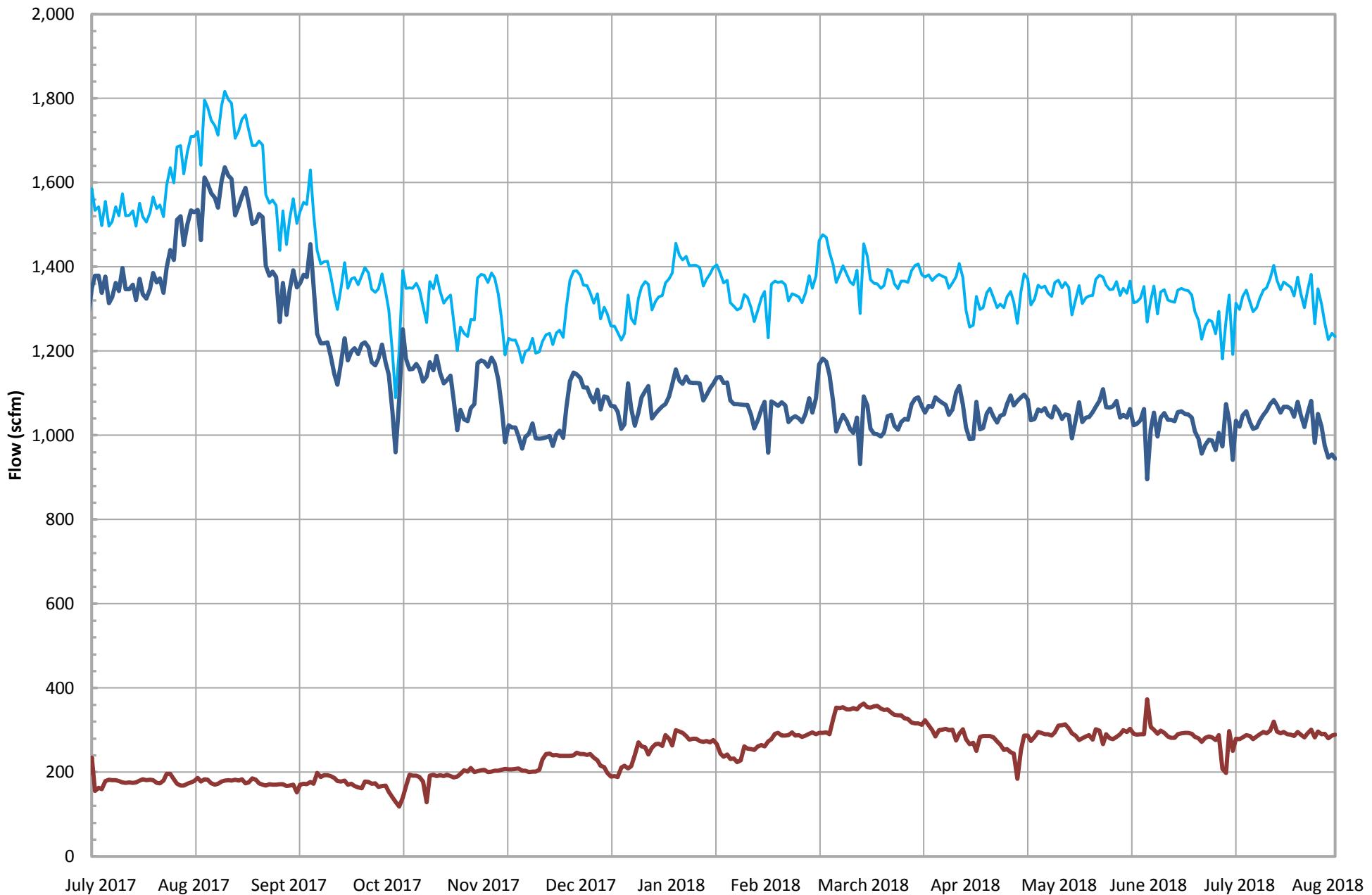
Combined Inlet Methane (Field Data)*

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North Quarry Inlet Oxygen (Field Data)*



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.

— Total Combined Flow (scfm)*
— SQ Flare Station Total Utility Flare Flow
— NQ Utility Flare

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ATTACHMENT B

WELL CONDITION/STATUS REPORT

July 2018

| ID | Well Condition | Comments |
|---------|-----------------|-----------|
| GEW-1A | Non-Operational | No Access |
| 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-22R | Non-Operational | No Access |
| GEW-38 | 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-57R | Non-Operational | No Access |
| GEW-58 | Operational | |
| GEW-58A | Operational | |
| GEW-59R | Operational | |
| GEW-67A | Operational | |
| GEW-68A | Operational | |
| GEW-77 | Operational | |
| GEW-78R | Operational | |

| July 2018 | | |
|-----------|-----------------|-----------|
| ID | Well Condition | Comments |
| GEW-81 | Operational | |
| GEW-82R | Operational | |
| GEW-86 | Operational | |
| GEW-87 | Operational | |
| GEW-88 | Operational | |
| GEW-90 | Operational | |
| 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 | Operational | |
| GEW-129 | Operational | |
| GEW-130 | Operational | |
| GEW-131 | Operational | |
| GEW-132 | Operational | |
| GEW-133 | Operational | |
| GEW-134 | Operational | |
| GEW-135 | Operational | |
| GEW-136 | Operational | |
| GEW-137 | Operational | |
| GEW-138 | Operational | |
| GEW-138 | Operational | |
| GEW-139 | Operational | |
| GEW-140 | Operational | |
| GEW-141 | Non-Operational | No Access |

July 2018

| ID | Well Condition | Comments |
|---------|-----------------|-----------|
| GEW-142 | Non-Operational | No Access |
| GEW-143 | Operational | |
| GEW-144 | Operational | |
| GEW-145 | Operational | |
| GEW-146 | Operational | |
| GEW-147 | Operational | |
| GEW-148 | Operational | |
| GEW-149 | Operational | |
| GEW-150 | Operational | |
| GEW-151 | Operational | |
| GEW-152 | Operational | |
| GEW-153 | Operational | |
| GEW-154 | Operational | |
| GEW-155 | Operational | |
| GEW-156 | Operational | |
| GEW-157 | Operational | |
| GEW-158 | Operational | |
| GEW-159 | Operational | |
| 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 | Non-Operational | No Access |
| GEW-172 | Operational | |
| GEW-173 | Operational | |
| GEW-174 | Operational | |
| GEW-175 | Operational | |
| GEW-176 | Operational | |
| GEW-177 | Operational | |
| GEW-178 | Operational | |
| GEW-179 | Operational | |
| GEW-180 | Operational | |
| GEW-181 | Operational | |
| GEW-182 | Operational | |
| GEW-184 | Operational | |
| GEW-185 | Operational | |
| GEW-186 | Operational | |

| July 2018 | | |
|-----------|----------------|----------|
| ID | Well Condition | Comments |
| GEW-187 | Operational | |
| GEW-188 | 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 | 3/8/2018 | 52 | 36 | ND | 11 | ND | ND | |
| GEW-002 | 4/6/2018 | 57 | 40 | ND | ND | ND | ND | |
| GEW-002 | 5/21/2018 | 53 | 37 | 2.3 | 7.9 | 0.058 | ND | See Note 8 |
| GEW-002 | 5/31/2018 | 55 | 41 | ND | ND | ND | ND | |
| GEW-002 | 6/4/2018 | 56 | 40 | ND | 3.4 | ND | ND | |
| GEW-002 | 7/5/2018 | 56 | 42 | ND | ND | ND | ND | |
| GEW-02S | 3/8/2018 | 46 | 26 | 6.0 | 21 | ND | ND | See Note 8 |
| GEW-02S | 3/30/2018 | 59 | 32 | 2.0 | 7.3 | ND | ND | |
| GEW-02S | 5/7/2018 | 59 | 35 | ND | 4.5 | ND | ND | |
| GEW-02S | 7/5/2018 | 57 | 34 | 2.1 | 7.4 | ND | ND | See Note 4 |
| GEW-003 | 3/8/2018 | 47 | 35 | ND | 18 | 0.074 | ND | |
| GEW-003 | 4/6/2018 | 51 | 37 | ND | 12 | 0.060 | ND | |
| GEW-003 | 5/7/2018 | 53 | 36 | ND | 9.8 | 0.072 | ND | |
| GEW-003 | 6/4/2018 | 51 | 37 | ND | 11 | 0.075 | ND | |
| GEW-003 | 7/5/2018 | 54 | 40 | ND | 4.9 | 0.052 | ND | |
| GEW-004 | 3/8/2018 | 51 | 36 | ND | 12 | 0.070 | ND | |
| GEW-004 | 4/6/2018 | 53 | 37 | ND | 9.6 | 0.068 | ND | |
| GEW-004 | 5/7/2018 | 54 | 37 | ND | 7.7 | 0.067 | ND | |
| GEW-004 | 6/4/2018 | 55 | 39 | ND | 5.9 | 0.053 | ND | |
| GEW-004 | 7/5/2018 | 56 | 39 | ND | 4.7 | 0.077 | ND | |
| GEW-005 | 3/8/2018 | 43 | 31 | ND | 25 | ND | ND | |
| GEW-005 | 4/6/2018 | 49 | 34 | ND | 16 | ND | ND | |
| GEW-005 | 5/7/2018 | 54 | 34 | ND | 11 | ND | ND | |
| GEW-005 | 6/5/2018 | 51 | 33 | ND | 14 | ND | ND | |
| GEW-005 | 7/5/2018 | 52 | 32 | 2.2 | 14 | ND | ND | See Note 3 |
| GEW-006 | 3/8/2018 | 54 | 34 | ND | 12 | ND | ND | |
| GEW-006 | 5/8/2018 | 56 | 35 | ND | 7.8 | ND | ND | |
| GEW-006 | 7/5/2018 | 58 | 37 | ND | 4.9 | ND | ND | |
| GEW-007 | 3/5/2018 | 59 | 38 | ND | ND | ND | ND | |
| GEW-007 | 5/7/2018 | 59 | 39 | ND | ND | ND | ND | |
| GEW-007 | 7/3/2018 | 58 | 39 | ND | ND | ND | ND | |
| GEW-008 | 3/5/2018 | 54 | 41 | ND | ND | 1.7 | ND | |
| GEW-008 | 4/2/2018 | 51 | 39 | 1.8 | 6.2 | 1.6 | ND | See Note 8 |
| GEW-008 | 4/26/2018 | 55 | 41 | ND | ND | 1.6 | ND | |
| GEW-008 | 5/7/2018 | 54 | 42 | ND | ND | 1.5 | ND | |
| GEW-008 | 6/4/2018 | 53 | 42 | ND | 3.3 | 1.3 | ND | |
| GEW-008 | 7/3/2018 | 52 | 44 | ND | ND | 1.4 | ND | |
| GEW-009 | 3/5/2018 | 55 | 40 | ND | 3.3 | 1.0 | ND | |
| GEW-009 | 4/2/2018 | 54 | 40 | ND | 4.3 | 0.98 | ND | |
| GEW-009 | 5/7/2018 | 48 | 37 | ND | 14 | 0.45 | ND | |
| GEW-009 | 6/4/2018 | 46 | 35 | 2.8 | 15 | 0.52 | ND | See Note 3 |
| GEW-009 | 7/3/2018 | 53 | 40 | ND | 4.9 | 0.67 | ND | |
| GEW-040 | 3/6/2018 | 50 | 32 | 3.4 | 15 | ND | ND | See Note 8 |
| GEW-040 | 3/30/2018 | 51 | 32 | 2.2 | 14 | ND | ND | See Note 4 |
| GEW-040 | 4/2/2018 | 55 | 35 | ND | 8.8 | ND | ND | |
| GEW-040 | 5/7/2018 | 55 | 34 | 1.6 | 9.3 | ND | ND | See Note 8 |
| GEW-040 | 5/29/2018 | 58 | 36 | ND | 5.0 | ND | ND | |
| GEW-040 | 6/4/2018 | 58 | 36 | ND | 5.3 | ND | ND | |
| GEW-040 | 7/3/2018 | 57 | 35 | ND | 6.0 | ND | ND | |
| GEW-041R | 3/6/2018 | 54 | 34 | ND | 12 | ND | ND | |
| GEW-041R | 5/7/2018 | 58 | 35 | ND | 6.0 | ND | ND | |
| GEW-041R | 7/3/2018 | 59 | 36 | ND | 3.6 | ND | ND | |
| GEW-042R | 3/8/2018 | 52 | 35 | 3.0 | 10 | ND | ND | See Note 8 |
| GEW-042R | 3/30/2018 | 58 | 38 | ND | 3.2 | ND | ND | |
| GEW-042R | 4/6/2018 | 55 | 37 | 1.7 | 5.7 | ND | ND | See Note 8 |

Laboratory Analysis - Bridgeton Landfill

| Well Name | Date Sampled | Methane | CO ₂ | O ₂ /Argon | Nitrogen | Hydrogen | Carbon Monoxide | Comments |
|-----------|--------------|---------|-----------------|-----------------------|----------|----------|-----------------|------------|
| | | (%) | | | | | (ppm) | |
| GEW-042R | 4/26/2018 | 57 | 38 | ND | ND | ND | ND | |
| GEW-042R | 5/7/2018 | 57 | 39 | ND | ND | ND | ND | |
| GEW-042R | 6/4/2018 | 57 | 39 | ND | 3.6 | ND | ND | |
| GEW-042R | 7/3/2018 | 55 | 38 | ND | 5.6 | ND | ND | |
| GEW-043R | 3/8/2018 | 56 | 39 | ND | 4.5 | 0.24 | ND | |
| GEW-043R | 5/7/2018 | 52 | 37 | 2.3 | 8.5 | 0.23 | ND | See Note 8 |
| GEW-043R | 5/29/2018 | 55 | 41 | ND | ND | 0.22 | ND | |
| GEW-043R | 7/5/2018 | 56 | 41 | ND | ND | 0.19 | ND | |
| GEW-044 | 3/8/2018 | 41 | 26 | 5.1 | 28 | ND | ND | See Note 8 |
| GEW-044 | 3/30/2018 | 54 | 34 | ND | 12 | ND | ND | |
| GEW-044 | 5/7/2018 | 55 | 37 | ND | 7.5 | ND | ND | |
| GEW-044 | 7/5/2018 | 56 | 35 | ND | 6.8 | ND | ND | |
| GEW-045R | 3/8/2018 | 58 | 38 | ND | ND | ND | ND | |
| GEW-045R | 4/6/2018 | 57 | 39 | ND | ND | ND | ND | |
| GEW-045R | 5/7/2018 | 58 | 40 | ND | ND | ND | ND | |
| GEW-045R | 6/4/2018 | 54 | 38 | 1.9 | 6.5 | ND | ND | |
| GEW-045R | 7/5/2018 | 56 | 39 | ND | 3.9 | ND | ND | |
| GEW-046R | 3/8/2018 | 47 | 33 | 2.1 | 18 | 0.084 | ND | See Note 8 |
| GEW-046R | 3/30/2018 | 53 | 35 | ND | 11 | 0.036 | ND | |
| GEW-046R | 4/6/2018 | 53 | 35 | ND | 11 | 0.051 | ND | |
| GEW-046R | 5/7/2018 | 53 | 35 | ND | 11 | ND | ND | |
| GEW-046R | 6/4/2018 | 49 | 35 | ND | 16 | 0.034 | ND | |
| GEW-046R | 7/5/2018 | 56 | 37 | ND | 6.1 | ND | ND | |
| GEW-047R | 3/8/2018 | 45 | 33 | ND | 22 | 0.035 | ND | |
| GEW-047R | 4/6/2018 | 49 | 35 | ND | 15 | 0.061 | ND | |
| GEW-047R | 5/7/2018 | 55 | 37 | ND | 7.2 | 0.068 | ND | |
| GEW-047R | 6/5/2018 | 48 | 36 | ND | 15 | 0.044 | ND | |
| GEW-047R | 7/5/2018 | 55 | 39 | ND | 4.8 | 0.058 | ND | |
| GEW-048 | 3/8/2018 | 54 | 36 | ND | 9.2 | ND | ND | |
| GEW-048 | 4/6/2018 | 53 | 35 | 2.7 | 9.3 | ND | ND | See Note 8 |
| GEW-048 | 4/25/2018 | 58 | 38 | ND | ND | ND | ND | |
| GEW-048 | 5/7/2018 | 58 | 40 | ND | ND | ND | ND | |
| GEW-048 | 6/5/2018 | 56 | 37 | ND | 5.7 | ND | ND | |
| GEW-048 | 7/5/2018 | 57 | 38 | ND | 3.9 | ND | ND | |
| GEW-049 | 3/8/2018 | 50 | 35 | ND | 14 | 0.055 | ND | |
| GEW-049 | 4/6/2018 | 47 | 33 | 1.7 | 19 | ND | ND | See Note 8 |
| GEW-049 | 4/25/2018 | 58 | 38 | ND | ND | ND | ND | |
| GEW-049 | 5/8/2018 | 53 | 36 | ND | 10 | ND | ND | |
| GEW-049 | 6/5/2018 | 52 | 35 | ND | 11 | ND | ND | |
| GEW-049 | 7/5/2018 | 56 | 37 | ND | 5.7 | ND | ND | |
| GEW-050 | 3/5/2018 | 55 | 35 | ND | 9.1 | 0.059 | ND | |
| GEW-050 | 5/7/2018 | 55 | 35 | ND | 8.5 | ND | ND | |
| GEW-050 | 7/3/2018 | 59 | 38 | ND | ND | 0.043 | ND | |
| GEW-051 | 3/5/2018 | 55 | 38 | ND | 4.5 | 1.1 | ND | |
| GEW-051 | 5/7/2018 | 56 | 39 | ND | ND | 0.92 | ND | |
| GEW-051 | 7/3/2018 | 56 | 40 | ND | ND | 0.99 | ND | |
| GEW-052 | 3/5/2018 | 55 | 37 | 1.6 | 6.4 | 0.032 | ND | |
| GEW-052 | 5/7/2018 | 42 | 30 | 2.3 | 26 | ND | ND | See Note 8 |
| GEW-052 | 5/29/2018 | 49 | 33 | 2.4 | 16 | ND | ND | |
| GEW-052 | 7/3/2018 | 55 | 36 | ND | 8.0 | ND | ND | |
| GEW-053 | 3/5/2018 | 49 | 38 | ND | 6.1 | 5.4 | 55 | |
| GEW-053 | 4/5/2018 | 51 | 39 | ND | 4.7 | 4.9 | 60 | |
| GEW-053 | 5/7/2018 | 52 | 41 | ND | ND | 3.0 | 65 | |
| GEW-053 | 6/4/2018 | 51 | 40 | ND | ND | 4.6 | 67 | |
| GEW-053 | 7/3/2018 | 51 | 41 | ND | ND | 4.5 | 60 | |
| GEW-054 | 3/5/2018 | 52 | 38 | ND | 5.8 | 2.4 | ND | |

Laboratory Analysis - Bridgeton Landfill

| Well Name | Date Sampled | Methane | CO ₂ | O ₂ /Argon | Nitrogen | Hydrogen | Carbon Monoxide | Comments |
|----------------------------|--------------|---------|-----------------|-----------------------|----------|----------|-----------------|------------|
| | | (%) | (ppm) | | | | (ppm) | |
| GEW-054 | 4/5/2018 | 49 | 37 | 2.7 | 9.6 | 2.2 | ND | See Note 8 |
| GEW-054 | 4/25/2018 | 54 | 40 | ND | ND | 2.3 | ND | |
| GEW-054 | 5/7/2018 | 54 | 41 | ND | ND | 2.3 | ND | |
| GEW-054 | 6/4/2018 | 54 | 41 | ND | ND | 1.9 | ND | |
| GEW-054 | 7/3/2018 | 50 | 39 | 1.9 | 6.5 | 2.0 | ND | |
| GEW-055 | 3/6/2018 | 48 | 37 | ND | 12 | 2.0 | ND | |
| GEW-055 | 4/2/2018 | 51 | 39 | ND | 7.4 | 2.2 | ND | |
| GEW-055 | 5/7/2018 | 52 | 39 | ND | 5.8 | 1.9 | ND | |
| GEW-055 | 6/4/2018 | 52 | 39 | ND | 5.9 | 1.8 | ND | |
| GEW-055 | 7/3/2018 | 52 | 41 | ND | ND | 2.5 | ND | |
| Flare Station ² | 3/7/2018 | 35.3 | 26.5 | 6.1 | 31.1 | ND | ND | See Note 5 |
| Flare Station ² | 4/5/2018 | 45.2 | 35.1 | 2.1 | 17.2 | 0.6 | ND | See Note 5 |
| Flare Station ² | 5/1/2018 | 51.4 | 34.5 | ND | 12.0 | 0.5 | ND | See Note 5 |
| Flare Station ² | 6/1/2018 | 47.8 | 35.8 | 2.5 | 13.3 | 0.6 | ND | See Note 5 |
| Flare Station ² | 7/2/2018 | 47.8 | 35.4 | 3.2 | 13.0 | 0.6 | ND | See Note 5 |

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 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 | 3/6/2018 | 55 | 41 | ND | ND | 0.22 | ND | |
| GEW-010 | 4/3/2018 | 56 | 42 | ND | ND | ND | ND | |
| GEW-010 | 5/2/2018 | 51 | 40 | 2.3 | 7.2 | ND | ND | |
| GEW-010 | 6/5/2018 | 55 | 41 | ND | 3.3 | ND | ND | |
| GEW-010 | 7/2/2018 | 54 | 41 | ND | 3.5 | 0.46 | ND | |
| GEW-013A | 3/12/2018 | 9.5 | 32 | 9.1 | 41 | 8.5 | 350 | See Note 4 |
| GEW-013A | 5/8/2018 | 7.0 | 35 | 5.0 | 44 | 8.0 | 330 | |
| GEW-013A | 7/5/2018 | 10 | 40 | 5.2 | 33 | 11 | 450 | See Note 3 |
| GEW-015 | 3/12/2018 | 14 | 44 | ND | 12 | 29 | 1,100 | |
| GEW-015 | 5/10/2018 | 0.41 | 46 | ND | ND | 49 | 2,400 | |
| GEW-015 | 7/11/2018 | 0.43 | 46 | ND | ND | 50 | 2,400 | |
| GEW-016R | 3/12/2018 | 5.5 | 38 | 2.8 | 26 | 27 | 1,100 | |
| GEW-016R | 5/10/2018 | 5.3 | 42 | ND | 25 | 26 | 1,100 | |
| GEW-016R | 7/11/2018 | 6.3 | 43 | ND | 24 | 25 | 1,000 | |
| GEW-018B | 3/15/2018 | 0.66 | 34 | 6.0 | 23 | 36 | 1,300 | See Note 3 |
| GEW-018B | 5/11/2018 | 0.53 | 37 | 5.0 | 21 | 36 | 1,400 | |
| GEW-018B | 7/17/2018 | 0.63 | 40 | 4.1 | 17 | 37 | 1,400 | |
| GEW-022R | 3/16/2018 | 0.42 | 34 | 10 | 36 | 19 | 1,400 | See Note 4 |
| GEW-022R | 5/11/2018 | 1.1 | 29 | 12 | 41 | 16 | 1,100 | See Note 4 |
| GEW-038 | 3/6/2018 | 1.7 | 38 | 6.3 | 22 | 32 | 1,300 | See Note 4 |
| GEW-038 | 4/4/2018 | 2.1 | 18 | 14 | 51 | 15 | 620 | See Note 4 |
| GEW-038 | 5/3/2018 | 5.0 | 23 | 12 | 43 | 17 | 710 | See Note 4 |
| GEW-038 | 6/5/2018 | 8.5 | 26 | 11 | 39 | 15 | 610 | |
| GEW-038 | 7/3/2018 | 8.4 | 35 | 7.5 | 26 | 22 | 910 | See Note 4 |
| GEW-039 | 3/6/2018 | 33 | 35 | 2.3 | 30 | 0.052 | ND | |
| GEW-039 | 4/4/2018 | 24 | 31 | 4.2 | 41 | 0.038 | 30 | |
| GEW-039 | 5/3/2018 | 29 | 38 | 2.3 | 31 | ND | ND | |
| GEW-039 | 6/5/2018 | 30 | 36 | ND | 32 | ND | ND | |
| GEW-039 | 7/3/2018 | 33 | 38 | ND | 28 | ND | ND | |
| GEW-056R | 3/6/2018 | 28 | 44 | ND | 7.9 | 19 | 530 | |
| GEW-056R | 4/3/2018 | 27 | 47 | ND | ND | 23 | 670 | |
| GEW-056R | 5/2/2018 | 28 | 40 | 2.4 | 12 | 17 | 480 | |
| GEW-056R | 6/5/2018 | 32 | 43 | ND | 7.9 | 16 | 470 | |
| GEW-056R | 7/3/2018 | 37 | 45 | ND | ND | 16 | 340 | |
| GEW-057R | 3/14/2018 | 4.7 | 33 | 8.7 | 30 | 23 | 510 | See Note 4 |
| GEW-057R | 5/10/2018 | 12 | 28 | 12 | 44 | 3.2 | 130 | See Note 4 |
| GEW-057B | 3/14/2018 | 2.3 | 17 | 14 | 51 | 16 | 370 | See Note 3 |
| GEW-057B | 5/10/2018 | 0.50 | 11 | 17 | 60 | 11 | 270 | See Note 3 |
| GEW-057B | 7/11/2018 | 1.0 | 52 | ND | ND | 43 | 1,400 | |
| GEW-058 | 3/9/2018 | 4.7 | 23 | 6.0 | 53 | 13 | 500 | See Note 4 |
| GEW-058 | 5/10/2018 | 6.8 | 29 | 2.8 | 47 | 13 | 580 | |
| GEW-058 | 7/11/2018 | 20 | 39 | ND | 26 | 12 | 530 | |
| GEW-058A | 3/9/2018 | 1.2 | 34 | 5.0 | 23 | 36 | 1,300 | |
| GEW-058A | 5/10/2018 | 0.62 | 39 | 4.3 | 17 | 38 | 1,300 | |
| GEW-058A | 7/11/2018 | 3.9 | 36 | 4.5 | 25 | 30 | 1,000 | |
| GEW-059R | 3/9/2018 | 18 | 37 | ND | 13 | 31 | 960 | |
| GEW-059R | 5/4/2018 | 15 | 36 | 2.6 | 18 | 28 | 930 | |
| GEW-059R | 7/11/2018 | 20 | 40 | ND | 6.7 | 31 | 890 | |
| GEW-067A | 3/15/2018 | 2.8 | 31 | 6.1 | 35 | 24 | 350 | See Note 3 |
| GEW-067A | 5/10/2018 | 2.4 | 21 | 8.6 | 58 | 9.4 | 140 | See Note 3 |
| GEW-067A | 7/5/2018 | 6.4 | 32 | 2.5 | 52 | 6.4 | 95 | |
| GEW-068A | 3/14/2018 | 13 | 46 | 2.5 | 11 | 27 | 1,600 | |
| GEW-068A | 5/10/2018 | 12 | 52 | ND | 4.6 | 29 | 1,900 | |
| GEW-068A | 7/12/2018 | 8.1 | 54 | ND | ND | 33 | 2,100 | |
| GEW-077 | 3/15/2018 | 0.44 | 45 | 3.7 | 13 | 37 | 2,000 | |

Laboratory Analysis - Bridgeton Landfill

| Well Name | Date Sampled | Methane | CO ₂ | O ₂ /Argon | Nitrogen | Hydrogen | Carbon Monoxide (ppm) | Comments |
|-----------|--------------|---------|-----------------|-----------------------|----------|----------|--------------------------|------------|
| | | (%) | | | | | | |
| GEW-077 | 5/11/2018 | 0.36 | 30 | 10 | 35 | 23 | 1,200 | See Note 3 |
| GEW-078R | 3/14/2018 | 13 | 41 | 1.8 | 24 | 19 | 670 | |
| GEW-078R | 5/11/2018 | 3.6 | 30 | ND | 50 | 15 | 550 | |
| GEW-078R | 7/12/2018 | 4.2 | 31 | ND | 48 | 15 | 490 | |
| GEW-081 | 3/15/2018 | 0.35 | 24 | 12 | 40 | 22 | 690 | See Note 4 |
| GEW-081 | 5/14/2018 | 0.45 | 25 | 11 | 40 | 22 | 750 | See Note 3 |
| GEW-081 | 7/12/2018 | 0.29 | 22 | 12 | 44 | 20 | 610 | See Note 4 |
| GEW-082R | 3/14/2018 | 8.0 | 32 | 1.7 | 35 | 23 | 770 | |
| GEW-082R | 5/11/2018 | 6.7 | 33 | ND | 37 | 21 | 740 | |
| GEW-082R | 7/12/2018 | 0.81 | 47 | ND | 3.8 | 46 | 1,500 | |
| GEW-086 | 3/12/2018 | 13 | 32 | 6.1 | 38 | 12 | 250 | See Note 4 |
| GEW-086 | 5/10/2018 | 10 | 34 | 2.3 | 48 | 5.3 | 130 | |
| GEW-086 | 7/5/2018 | 19 | 41 | 1.9 | 31 | 7.0 | 130 | |
| GEW-087 | 3/12/2018 | 5.5 | 13 | 15 | 64 | 2.0 | 120 | See Note 3 |
| GEW-087 | 5/10/2018 | 5.7 | 17 | 12 | 63 | 2.5 | 130 | See Note 4 |
| GEW-087 | 7/11/2018 | 4.0 | 24 | 4.6 | 61 | 5.6 | 180 | |
| GEW-088 | 3/15/2018 | 1.4 | 41 | ND | ND | 54 | 980 | |
| GEW-088 | 5/14/2018 | 4.1 | 42 | ND | 13 | 38 | 840 | |
| GEW-088 | 7/17/2018 | 10.0 | 43 | 1.7 | 19 | 24 | 610 | |
| GEW-090 | 3/8/2018 | 19 | 41 | ND | 8.5 | 30 | 860 | |
| GEW-090 | 5/10/2018 | 14 | 33 | 5.7 | 24 | 22 | 640 | See Note 3 |
| GEW-090 | 7/5/2018 | 19 | 43 | ND | 9.3 | 27 | 690 | |
| GEW-091 | 3/8/2018 | 1.1 | 12 | 17 | 60 | 9.9 | 150 | See Note 3 |
| GEW-091 | 5/10/2018 | 0.97 | 14 | 14 | 59 | 10 | 150 | See Note 4 |
| GEW-091 | 7/5/2018 | 2.0 | 35 | 5.5 | 27 | 28 | 350 | See Note 4 |
| GEW-100 | 3/14/2018 | 1.3 | 56 | 2.5 | 8.6 | 30 | 950 | |
| GEW-100 | 5/10/2018 | 1.0 | 43 | 6.8 | 24 | 23 | 640 | See Note 3 |
| GEW-100 | 7/12/2018 | 0.89 | 40 | 7.7 | 27 | 22 | 560 | See Note 3 |
| GEW-101 | 3/14/2018 | 17 | 61 | 2.7 | 10 | 8.8 | 410 | |
| GEW-101 | 5/10/2018 | 22 | 50 | 4.6 | 20 | 2.8 | 310 | |
| GEW-101 | 7/12/2018 | 17 | 43 | 7.6 | 29 | 2.9 | 300 | See Note 4 |
| GEW-102 | 3/14/2018 | 13 | 45 | 2.2 | 7.5 | 31 | 420 | |
| GEW-102 | 5/10/2018 | 9.8 | 35 | 6.7 | 23 | 24 | 370 | See Note 3 |
| GEW-102 | 7/12/2018 | 13 | 50 | ND | ND | 33 | 460 | |
| GEW-104 | 3/14/2018 | 1.2 | 53 | ND | ND | 42 | 1,300 | |
| GEW-104 | 5/15/2018 | 3.7 | 56 | ND | ND | 36 | 1,200 | |
| GEW-104 | 7/12/2018 | 44 | 41 | ND | ND | 11 | 200 | |
| GEW-105 | 3/23/2018 | 10 | 37 | 7.1 | 30 | 16 | 720 | See Note 4 |
| GEW-105 | 5/10/2018 | 16 | 36 | 6.3 | 28 | 14 | 600 | See Note 3 |
| GEW-105 | 7/11/2018 | 14 | 39 | 5.5 | 23 | 17 | 740 | See Note 3 |
| GEW-106 | 3/13/2018 | 12 | 33 | 7.2 | 35 | 12 | 270 | See Note 4 |
| GEW-106 | 5/10/2018 | 3.6 | 45 | 2.0 | 13 | 34 | 1,200 | |
| GEW-106 | 7/11/2018 | 7.0 | 53 | ND | 6.0 | 30 | 670 | |
| GEW-107 | 3/9/2018 | 12 | 52 | 2.5 | 8.6 | 25 | 1,300 | |
| GEW-107 | 5/4/2018 | 12 | 56 | ND | ND | 28 | 1,600 | |
| GEW-107 | 7/11/2018 | 13 | 55 | ND | ND | 29 | 1,300 | |
| GEW-108 | 3/9/2018 | 36 | 47 | ND | 14 | 1.3 | 60 | |
| GEW-108 | 5/4/2018 | 35 | 48 | ND | 14 | 0.94 | 52 | |
| GEW-108 | 7/11/2018 | 40 | 48 | ND | 10 | 1.3 | 47 | |
| GEW-109 | 3/6/2018 | 16 | 42 | ND | 24 | 16 | 570 | |
| GEW-109 | 4/4/2018 | 22 | 38 | 2.3 | 27 | 11 | 380 | |
| GEW-109 | 5/3/2018 | 26 | 36 | ND | 27 | 9.3 | 340 | |
| GEW-109 | 6/5/2018 | 27 | 38 | ND | 23 | 10 | 340 | |
| GEW-109 | 7/3/2018 | 30 | 39 | ND | 20 | 10 | 280 | |
| GEW-110 | 3/6/2018 | 17 | 46 | 1.9 | 8.6 | 26 | 800 | |
| GEW-110 | 4/3/2018 | 21 | 37 | 4.6 | 19 | 19 | 550 | |

Laboratory Analysis - Bridgeton Landfill

| Well Name | Date Sampled | Methane | CO ₂ | O ₂ /Argon | Nitrogen | Hydrogen | Carbon Monoxide | Comments |
|-----------|--------------|---------|-----------------|-----------------------|----------|----------|-----------------|------------|
| | | (%) | (ppm) | | | | | |
| GEW-110 | 5/2/2018 | 17 | 31 | 8.2 | 29 | 15 | 470 | See Note 4 |
| GEW-110 | 6/5/2018 | 17 | 31 | 7.7 | 28 | 16 | 490 | See Note 4 |
| GEW-110 | 7/2/2018 | 22 | 40 | 3.8 | 17 | 18 | 520 | |
| GEW-113 | 3/12/2018 | 8.9 | 40 | 4.6 | 25 | 21 | 1,000 | |
| GEW-113 | 5/10/2018 | 7.4 | 46 | 3.6 | 19 | 23 | 1,200 | |
| GEW-113 | 7/11/2018 | 11 | 51 | ND | 13 | 23 | 1,100 | |
| GEW-116 | 3/14/2018 | 5.0 | 33 | 8.5 | 37 | 15 | 680 | See Note 4 |
| GEW-116 | 5/11/2018 | 10 | 66 | ND | ND | 19 | 730 | |
| GEW-116 | 7/13/2018 | 13 | 58 | ND | 4.9 | 22 | 750 | |
| GEW-117 | 3/15/2018 | 41 | 44 | 2.6 | 12 | 0.38 | 87 | |
| GEW-117 | 5/11/2018 | 43 | 51 | ND | 4.9 | 0.087 | 90 | |
| GEW-117 | 7/13/2018 | 45 | 52 | ND | ND | 0.080 | 65 | |
| GEW-118 | 3/15/2018 | 1.9 | 46 | 3.8 | 15 | 32 | 710 | |
| GEW-118 | 5/11/2018 | 1.3 | 53 | ND | 3.9 | 39 | 1,300 | |
| GEW-118 | 7/17/2018 | 1.6 | 55 | ND | 3.9 | 37 | 980 | |
| GEW-120 | 3/15/2018 | 15 | 49 | ND | 23 | 12 | 500 | |
| GEW-120 | 5/11/2018 | 17 | 52 | ND | 19 | 10 | 450 | |
| GEW-120 | 7/17/2018 | 22 | 61 | ND | 3.7 | 12 | 590 | |
| GEW-121 | 3/15/2018 | 6.1 | 39 | 3.2 | 34 | 17 | 830 | |
| GEW-121 | 5/11/2018 | 9.5 | 44 | 2.1 | 29 | 15 | 770 | |
| GEW-121 | 7/13/2018 | 6.9 | 42 | 2.4 | 31 | 17 | 780 | |
| GEW-122 | 3/15/2018 | 11 | 37 | 2.4 | 31 | 18 | 1,100 | |
| GEW-122 | 5/14/2018 | 10 | 33 | 3.1 | 39 | 15 | 1,100 | |
| GEW-122 | 7/13/2018 | 12 | 36 | ND | 35 | 15 | 1,100 | |
| GEW-123 | 3/15/2018 | 14 | 48 | ND | 24 | 13 | 630 | |
| GEW-123 | 5/11/2018 | 17 | 52 | ND | 18 | 12 | 610 | |
| GEW-123 | 7/13/2018 | 13 | 45 | ND | 29 | 11 | 480 | |
| GEW-124 | 3/15/2018 | 45 | 34 | 4.6 | 16 | 0.038 | ND | |
| GEW-124 | 5/14/2018 | 41 | 34 | 5.5 | 19 | ND | ND | See Note 4 |
| GEW-124 | 7/13/2018 | 35 | 24 | 8.9 | 31 | ND | ND | See Note 3 |
| GEW-125 | 3/15/2018 | 0.78 | 52 | ND | 3.5 | 42 | 2,000 | |
| GEW-125 | 5/14/2018 | 3.4 | 52 | ND | 11 | 32 | 1,700 | |
| GEW-125 | 7/13/2018 | 2.7 | 52 | ND | 9.8 | 33 | 1,600 | |
| GEW-126 | 3/15/2018 | 15 | 46 | ND | 28 | 8.2 | 570 | |
| GEW-126 | 5/14/2018 | 17 | 53 | ND | 18 | 8.8 | 630 | |
| GEW-126 | 7/17/2018 | 19 | 51 | ND | 15 | 13 | 870 | |
| GEW-127 | 3/15/2018 | 3.7 | 53 | 4.3 | 15 | 23 | 2,100 | |
| GEW-127 | 5/14/2018 | 4.9 | 62 | ND | 4.3 | 27 | 2,300 | |
| GEW-127 | 7/17/2018 | 8.4 | 57 | ND | 11 | 21 | 1,800 | |
| GEW-128 | 3/15/2018 | 14 | 48 | 4.7 | 21 | 12 | 1,000 | |
| GEW-128 | 5/8/2018 | 12 | 45 | 6.3 | 24 | 12 | 1,100 | See Note 3 |
| GEW-128 | 7/13/2018 | 9.5 | 54 | 3.5 | 15 | 17 | 1,700 | |
| GEW-129 | 3/15/2018 | 13 | 59 | ND | 8.0 | 18 | 1,800 | |
| GEW-129 | 5/11/2018 | 1.0 | 64 | ND | ND | 31 | 3,600 | |
| GEW-129 | 7/13/2018 | 1.1 | 64 | ND | ND | 31 | 3,500 | |
| GEW-130 | 3/15/2018 | 3.8 | 47 | 3.6 | 16 | 28 | 2,100 | |
| GEW-130 | 5/14/2018 | 5.9 | 53 | 2.0 | 9.3 | 29 | 2,400 | |
| GEW-130 | 7/17/2018 | 7.3 | 50 | 2.3 | 13 | 26 | 2,200 | |
| GEW-131 | 3/15/2018 | 21 | 43 | ND | 19 | 16 | 950 | |
| GEW-131 | 5/14/2018 | 20 | 40 | ND | 25 | 14 | 940 | |
| GEW-131 | 7/17/2018 | 24 | 40 | ND | 22 | 13 | 810 | |
| GEW-132 | 3/15/2018 | 0.66 | 37 | 5.1 | 26 | 30 | 1,700 | See Note 4 |
| GEW-132 | 5/11/2018 | 1.0 | 43 | 3.7 | 17 | 34 | 1,800 | |
| GEW-132 | 7/12/2018 | 1.6 | 49 | ND | 8.5 | 40 | 1,900 | |
| GEW-133 | 3/14/2018 | 7.6 | 47 | 2.2 | 19 | 24 | 1,000 | |
| GEW-133 | 5/14/2018 | 11 | 49 | ND | 16 | 22 | 1,000 | |

Laboratory Analysis - Bridgeton Landfill

| Well Name | Date Sampled | Methane | CO ₂ | O ₂ /Argon | Nitrogen | Hydrogen | Carbon Monoxide | Comments |
|-----------|--------------|---------|-----------------|-----------------------|----------|----------|-----------------|------------|
| | | (%) | | | | | (ppm) | |
| GEW-133 | 7/13/2018 | 11 | 48 | ND | 17 | 21 | 880 | |
| GEW-134 | 3/14/2018 | 12 | 34 | 4.7 | 38 | 11 | 430 | |
| GEW-134 | 5/11/2018 | 11 | 42 | ND | 28 | 17 | 710 | |
| GEW-134 | 7/12/2018 | 14 | 43 | 1.8 | 23 | 18 | 680 | |
| GEW-135 | 3/12/2018 | 5.4 | 38 | 3.9 | 30 | 22 | 910 | |
| GEW-135 | 5/11/2018 | 5.4 | 39 | 3.7 | 30 | 22 | 900 | |
| GEW-135 | 7/12/2018 | 6.6 | 41 | 2.5 | 28 | 22 | 840 | |
| GEW-136 | 3/14/2018 | 5.2 | 30 | 5.7 | 36 | 23 | 650 | See Note 4 |
| GEW-136 | 5/11/2018 | 3.4 | 15 | 14 | 57 | 11 | 310 | See Note 4 |
| GEW-136 | 7/11/2018 | 6.1 | 20 | 11 | 48 | 15 | 330 | See Note 3 |
| GEW-137 | 3/14/2018 | 32 | 32 | 2.8 | 34 | 0.19 | 32 | |
| GEW-137 | 5/11/2018 | 24 | 29 | 4.2 | 43 | 0.25 | 39 | |
| GEW-137 | 7/11/2018 | 23 | 31 | 3.1 | 42 | 0.49 | 43 | |
| GEW-138 | 3/14/2018 | 17 | 38 | ND | 28 | 16 | 910 | |
| GEW-138 | 5/10/2018 | 4.4 | 22 | 4.7 | 60 | 8.1 | 420 | |
| GEW-138 | 7/12/2018 | 4.8 | 24 | 5.2 | 57 | 8.8 | 430 | See Note 4 |
| GEW-139 | 3/15/2018 | 0.56 | 57 | ND | ND | 40 | 3,300 | |
| GEW-139 | 5/11/2018 | 6.1 | 50 | ND | 12 | 31 | 2,100 | |
| GEW-139 | 7/13/2018 | 6.4 | 49 | ND | 11 | 31 | 2,100 | |
| GEW-140 | 3/15/2018 | 0.31 | 62 | ND | ND | 34 | 2,500 | |
| GEW-140 | 5/11/2018 | 20 | 49 | ND | 5.7 | 24 | 1,100 | |
| GEW-140 | 7/13/2018 | 15 | 50 | ND | 7.2 | 26 | 1,300 | |
| GEW-141 | 3/15/2018 | 0.18 | 27 | 12 | 43 | 17 | 1,900 | See Note 4 |
| GEW-143 | 7/12/2018 | 0.25 | 19 | 14 | 52 | 14 | 1,400 | See Note 4 |
| GEW-144 | 1/10/2018 | 1.5 | 24 | 11 | 37 | 25 | 1,200 | See Note 4 |
| GEW-144 | 3/14/2018 | 9.0 | 55 | ND | 3.4 | 31 | 1,200 | |
| GEW-144 | 7/12/2018 | 30 | 28 | 8.6 | 30 | 2.5 | 120 | See Note 4 |
| GEW-145 | 3/14/2018 | 6.8 | 48 | ND | ND | 41 | 1,600 | |
| GEW-145 | 5/10/2018 | 5.6 | 42 | 3.6 | 13 | 36 | 1,400 | |
| GEW-145 | 7/12/2018 | 5.0 | 49 | ND | ND | 42 | 1,700 | |
| GEW-146 | 3/12/2018 | 2.1 | 5.1 | 17 | 75 | 0.49 | ND | See Note 4 |
| GEW-146 | 5/10/2018 | 1.9 | 4.9 | 18 | 75 | 0.40 | ND | See Note 4 |
| GEW-146 | 7/11/2018 | 2.7 | 7.2 | 15 | 74 | 0.59 | ND | See Note 4 |
| GEW-147 | 3/12/2018 | 8.7 | 33 | 2.4 | 40 | 16 | 600 | |
| GEW-147 | 5/11/2018 | 9.0 | 40 | ND | 26 | 23 | 810 | |
| GEW-147 | 7/11/2018 | 12 | 42 | ND | 20 | 24 | 750 | |
| GEW-148 | 3/12/2018 | 3.9 | 46 | 3.1 | 10 | 36 | 1,900 | |
| GEW-148 | 5/10/2018 | 0.052 | 0.84 | 22 | 77 | 0.25 | ND | See Note 4 |
| GEW-148 | 7/11/2018 | 7.4 | 43 | 3.9 | 16 | 28 | 1,400 | |
| GEW-149 | 3/8/2018 | 9.8 | 32 | 5.2 | 47 | 6.3 | 250 | |
| GEW-149 | 5/10/2018 | 9.7 | 37 | ND | 43 | 7.7 | 290 | |
| GEW-149 | 7/5/2018 | 15 | 41 | ND | 40 | 2.7 | 150 | |
| GEW-150 | 3/14/2018 | 9.0 | 33 | 8.3 | 35 | 14 | 660 | See Note 4 |
| GEW-150 | 5/15/2018 | 18 | 53 | ND | 7.1 | 20 | 940 | |
| GEW-150 | 7/11/2018 | 22 | 47 | ND | 10.0 | 18 | 760 | |
| GEW-151 | 3/15/2018 | 4.7 | 47 | ND | ND | 43 | 1,400 | |
| GEW-151 | 5/14/2018 | 25 | 48 | ND | 4.7 | 21 | 570 | |
| GEW-151 | 7/17/2018 | 7.6 | 49 | ND | ND | 39 | 1,200 | |
| GEW-152 | 3/9/2018 | 27 | 44 | ND | 4.8 | 23 | 1,100 | |
| GEW-152 | 5/4/2018 | 25 | 40 | 2.5 | 12 | 19 | 950 | |
| GEW-152 | 7/11/2018 | 25 | 44 | ND | 5.1 | 24 | 1,000 | |
| GEW-153 | 3/9/2018 | 43 | 34 | ND | 17 | 4.6 | 69 | |
| GEW-153 | 5/4/2018 | 32 | 29 | 1.8 | 35 | 1.6 | ND | |
| GEW-153 | 7/11/2018 | 46 | 37 | ND | 15 | 1.8 | ND | |
| GEW-154 | 3/8/2018 | 0.19 | 11 | 16 | 62 | 11 | 580 | See Note 3 |
| GEW-154 | 5/10/2018 | 0.015 | 2.4 | 20 | 77 | 0.47 | 74 | See Note 4 |

Laboratory Analysis - Bridgeton Landfill

| Well Name | Date Sampled | Methane | CO ₂ | O ₂ /Argon | Nitrogen | Hydrogen | Carbon Monoxide | Comments |
|-----------|--------------|---------|-----------------|-----------------------|----------|----------|-----------------|------------|
| | | (%) | (ppm) | | | | | |
| GEW-154 | 7/5/2018 | 0.81 | 9.6 | 13 | 76 | 0.34 | ND | See Note 4 |
| GEW-155 | 3/14/2018 | 4.2 | 25 | ND | 63 | 6.6 | 200 | |
| GEW-155 | 5/11/2018 | 0.41 | 17 | 7.6 | 70 | 5.0 | 170 | See Note 4 |
| GEW-155 | 7/12/2018 | 0.58 | 19 | 5.9 | 70 | 4.7 | 130 | See Note 4 |
| GEW-156 | 3/14/2018 | 34 | 41 | 2.3 | 17 | 4.5 | 120 | |
| GEW-156 | 5/10/2018 | 39 | 48 | ND | 6.5 | 5.8 | 160 | |
| GEW-156 | 7/11/2018 | 37 | 48 | ND | 6.3 | 7.5 | 200 | |
| GEW-157 | 3/14/2018 | 11 | 41 | 4.4 | 15 | 28 | 990 | |
| GEW-157 | 5/10/2018 | 15 | 47 | 1.9 | 6.7 | 29 | 1,100 | |
| GEW-157 | 7/11/2018 | 16 | 45 | 2.3 | 8.0 | 28 | 1,100 | |
| GEW-158 | 3/13/2018 | 14 | 47 | 3.7 | 14 | 21 | 600 | |
| GEW-158 | 5/10/2018 | 15 | 46 | 2.8 | 17 | 18 | 440 | |
| GEW-158 | 7/11/2018 | 17 | 53 | ND | 5.8 | 22 | 620 | |
| GEW-159 | 3/9/2018 | 45 | 35 | 2.6 | 11 | 6.1 | 110 | |
| GEW-159 | 5/4/2018 | 31 | 29 | 1.7 | 32 | 5.1 | 200 | |
| GEW-159 | 7/11/2018 | 37 | 35 | 2.9 | 20 | 4.5 | 86 | |
| GEW-160 | 3/8/2018 | 1.2 | 2.6 | 21 | 74 | 1.1 | 76 | See Note 3 |
| GEW-160 | 5/10/2018 | 6.1 | 17 | 12 | 56 | 9.2 | 360 | See Note 4 |
| GEW-160 | 7/5/2018 | 1.6 | 51 | ND | 4.5 | 40 | 2,100 | |
| GEW-161 | 3/8/2018 | 3.7 | 48 | 1.5 | 8.2 | 38 | 1,700 | |
| GEW-161 | 5/10/2018 | 3.6 | 46 | 1.8 | 16 | 31 | 1,600 | |
| GEW-161 | 7/5/2018 | 5.0 | 47 | 1.8 | 13 | 32 | 1,400 | |
| GEW-162 | 3/12/2018 | 12 | 57 | ND | 19 | 10 | 510 | |
| GEW-162 | 5/10/2018 | 9.4 | 59 | ND | 16 | 14 | 730 | |
| GEW-162 | 7/5/2018 | 7.2 | 39 | 8.5 | 36 | 8.5 | 420 | See Note 3 |
| GEW-163 | 3/7/2018 | 11 | 40 | 6.3 | 29 | 14 | 520 | See Note 3 |
| GEW-163 | 5/3/2018 | 12 | 48 | 2.6 | 23 | 14 | 520 | |
| GEW-163 | 7/9/2018 | 8.0 | 32 | 7.7 | 43 | 8.9 | 270 | See Note 3 |
| GEW-164 | 3/7/2018 | 23 | 55 | 1.8 | 7.4 | 12 | 720 | |
| GEW-164 | 5/3/2018 | 24 | 56 | ND | 7.6 | 10 | 640 | |
| GEW-164 | 7/9/2018 | 25 | 54 | ND | 10 | 8.7 | 490 | |
| GEW-165 | 3/7/2018 | 12 | 62 | ND | ND | 23 | 1,000 | |
| GEW-165 | 5/21/2018 | 9.5 | 54 | 3.3 | 12 | 20 | 930 | |
| GEW-165 | 7/9/2018 | 11 | 54 | 3.1 | 12 | 19 | 780 | |
| GEW-166 | 3/7/2018 | 0.58 | 51 | ND | 4.1 | 42 | 2,600 | |
| GEW-166 | 5/3/2018 | 0.93 | 54 | ND | ND | 41 | 2,600 | |
| GEW-166 | 7/9/2018 | 1.3 | 46 | 3.3 | 12 | 36 | 2,000 | |
| GEW-167 | 3/7/2018 | 0.37 | 52 | ND | ND | 45 | 2,600 | |
| GEW-167 | 5/3/2018 | 0.44 | 30 | 9.4 | 34 | 25 | 1,500 | See Note 3 |
| GEW-167 | 7/9/2018 | 0.63 | 37 | 6.4 | 25 | 31 | 1,600 | See Note 3 |
| GEW-168 | 3/7/2018 | 11 | 53 | 1.5 | 8.4 | 25 | 1,300 | |
| GEW-168 | 5/3/2018 | 10 | 54 | ND | 8.4 | 25 | 1,400 | |
| GEW-168 | 7/9/2018 | 13 | 50 | 3.1 | 15 | 18 | 800 | |
| GEW-169 | 3/7/2018 | 4.0 | 53 | 3.0 | 12 | 28 | 1,800 | |
| GEW-169 | 5/3/2018 | 5.5 | 61 | ND | ND | 30 | 1,900 | |
| GEW-169 | 7/9/2018 | 5.3 | 58 | ND | 5.9 | 29 | 1,600 | |
| GEW-170 | 3/15/2018 | 7.2 | 50 | 4.4 | 18 | 20 | 1,500 | |
| GEW-170 | 5/14/2018 | 8.6 | 60 | ND | 4.2 | 25 | 2,000 | |
| GEW-170 | 7/13/2018 | 10.0 | 57 | ND | 7.3 | 23 | 1,700 | |
| GEW-171 | 3/15/2018 | 0.44 | 25 | 13 | 45 | 16 | 1,000 | See Note 3 |
| GEW-171 | 5/10/2018 | 4.7 | 34 | 9.9 | 36 | 15 | 1,100 | See Note 3 |
| GEW-172 | 3/15/2018 | 4.3 | 56 | ND | ND | 35 | 2,700 | |
| GEW-172 | 5/10/2018 | 12 | 55 | ND | ND | 29 | 2,200 | |
| GEW-172 | 7/13/2018 | 20 | 51 | ND | ND | 24 | 1,600 | |
| GEW-173 | 3/15/2018 | 45 | 46 | ND | 6.0 | 1.7 | 170 | |
| GEW-173 | 5/11/2018 | 3.8 | 13 | 11 | 71 | 0.50 | 53 | See Note 4 |

Laboratory Analysis - Bridgeton Landfill

| Well Name | Date Sampled | Methane | CO ₂ | O ₂ /Argon | Nitrogen | Hydrogen | Carbon Monoxide | Comments |
|-----------|--------------|---------|-----------------|-----------------------|----------|----------|-----------------|------------|
| | | (%) | | | | (ppm) | | |
| GEW-173 | 7/13/2018 | 4.2 | 15 | 11 | 68 | 1.4 | 150 | See Note 4 |
| GEW-174 | 3/14/2018 | 20 | 43 | ND | 20 | 15 | 760 | |
| GEW-174 | 5/10/2018 | 21 | 43 | ND | 20 | 14 | 720 | |
| GEW-174 | 7/12/2018 | 23 | 45 | ND | 16 | 14 | 630 | |
| GEW-175 | 3/14/2018 | 11 | 33 | 8.3 | 36 | 12 | 520 | See Note 4 |
| GEW-175 | 5/10/2018 | 14 | 50 | 2.4 | 13 | 20 | 710 | |
| GEW-175 | 7/11/2018 | 14 | 53 | ND | 5.8 | 24 | 870 | |
| GEW-176 | 3/14/2018 | 15 | 29 | 9.7 | 38 | 7.6 | 370 | See Note 4 |
| GEW-176 | 5/10/2018 | 25 | 31 | 7.2 | 31 | 4.9 | 200 | See Note 4 |
| GEW-176 | 7/11/2018 | 34 | 46 | ND | 12 | 5.9 | 240 | |
| GEW-177 | 3/15/2018 | 0.32 | 63 | ND | ND | 31 | 3,600 | |
| GEW-177 | 5/8/2018 | 2.1 | 62 | ND | ND | 33 | 3,600 | |
| GEW-177 | 7/13/2018 | 6.6 | 53 | 2.8 | 9.8 | 27 | 2,700 | |
| GEW-178 | 3/6/2018 | 16 | 59 | 1.8 | 11 | 11 | 350 | |
| GEW-178 | 5/3/2018 | 16 | 53 | 4.0 | 18 | 7.8 | 270 | |
| GEW-178 | 7/11/2018 | 26 | 64 | ND | ND | 5.8 | 170 | |
| GEW-179 | 3/15/2018 | 19 | 61 | 2.7 | 9.3 | 6.5 | 180 | |
| GEW-179 | 5/3/2018 | 22 | 68 | ND | 3.9 | 5.2 | 140 | |
| GEW-179 | 7/11/2018 | 16 | 54 | 2.6 | 22 | 4.7 | 130 | |
| GEW-180 | 3/6/2018 | 18 | 51 | 3.1 | 10 | 17 | 310 | |
| GEW-180 | 5/4/2018 | 14 | 64 | ND | 9.4 | 11 | 420 | |
| GEW-180 | 7/11/2018 | 14 | 68 | ND | 3.9 | 12 | 400 | |
| GEW-181 | 3/7/2018 | 11 | 66 | ND | ND | 19 | 1,100 | |
| GEW-181 | 5/4/2018 | 15 | 68 | ND | ND | 13 | 850 | |
| GEW-181 | 7/11/2018 | 16 | 67 | ND | 3.8 | 11 | 660 | |
| GEW-182 | 3/7/2018 | 15 | 40 | 6.5 | 26 | 12 | 380 | See Note 4 |
| GEW-182 | 5/4/2018 | 18 | 44 | 4.3 | 19 | 13 | 440 | |
| GEW-182 | 7/9/2018 | 24 | 44 | 4.0 | 18 | 9.3 | 280 | |
| GEW-184 | 3/7/2018 | 13 | 24 | 14 | 49 | 0.28 | 39 | |
| GEW-184 | 5/4/2018 | 16 | 33 | 10 | 40 | 1.2 | 100 | See Note 4 |
| GEW-184 | 7/9/2018 | 21 | 49 | 4.2 | 20 | 5.0 | 200 | |
| GEW-185 | 3/7/2018 | 16 | 62 | ND | ND | 19 | 870 | |
| GEW-185 | 5/4/2018 | 16 | 59 | ND | 5.8 | 17 | 770 | |
| GEW-185 | 7/9/2018 | 15 | 58 | ND | 6.1 | 18 | 690 | |
| GEW-186 | 3/7/2018 | 18 | 39 | 7.4 | 29 | 7.2 | 480 | See Note 4 |
| GEW-186 | 5/4/2018 | 25 | 52 | 2.5 | 11 | 8.5 | 630 | |
| GEW-186 | 7/11/2018 | 19 | 49 | 4.4 | 18 | 9.2 | 770 | |
| GEW-187 | 3/6/2018 | 9.4 | 55 | 1.7 | 5.6 | 27 | 1,100 | |
| GEW-187 | 5/3/2018 | 16 | 52 | 2.7 | 9.2 | 18 | 810 | |
| GEW-187 | 7/11/2018 | 14 | 45 | 5.6 | 19 | 16 | 630 | See Note 3 |
| GEW-188 | 3/7/2018 | 1.1 | 11 | 16 | 65 | 6.9 | 240 | See Note 4 |
| GEW-188 | 5/10/2018 | 1.8 | 12 | 15 | 68 | 3.1 | 160 | See Note 4 |
| GEW-188 | 7/9/2018 | 0.45 | 18 | 8.9 | 66 | 6.9 | 270 | See Note 4 |
| GIW-01 | 3/5/2018 | 7.3 | 60 | ND | 6.8 | 25 | 1,100 | |
| GIW-01 | 4/3/2018 | 9.1 | 55 | 2.2 | 10 | 23 | 1,000 | |
| GIW-01 | 5/2/2018 | 6.3 | 59 | ND | 6.9 | 25 | 1,100 | |
| GIW-01 | 6/5/2018 | 4.8 | 53 | 1.7 | 16 | 24 | 1,100 | |
| GIW-01 | 7/3/2018 | 7.0 | 54 | 2.4 | 13 | 22 | 990 | |
| GIW-02 | 3/5/2018 | 7.3 | 23 | 9.6 | 53 | 6.8 | 430 | See Note 4 |
| GIW-02 | 4/3/2018 | 0.98 | 16 | 15 | 60 | 7.5 | 480 | See Note 4 |
| GIW-02 | 5/2/2018 | 0.65 | 17 | 15 | 58 | 8.5 | 530 | See Note 4 |
| GIW-02 | 6/5/2018 | 2.3 | 16 | 14 | 62 | 4.8 | 280 | See Note 4 |
| GIW-02 | 7/3/2018 | 3.6 | 26 | 10 | 52 | 7.9 | 510 | See Note 4 |
| GIW-03 | 3/5/2018 | 9.4 | 53 | ND | 13 | 24 | 950 | |
| GIW-03 | 4/3/2018 | 13 | 41 | 3.9 | 25 | 16 | 780 | |
| GIW-03 | 5/2/2018 | 9.4 | 40 | 3.2 | 31 | 15 | 740 | |

Laboratory Analysis - Bridgeton Landfill

| Well Name | Date Sampled | Methane | CO ₂ | O ₂ /Argon | Nitrogen | Hydrogen | Carbon Monoxide | Comments |
|----------------------------|--------------|---------|-----------------|-----------------------|----------|----------|-----------------|------------|
| | | (%) | (ppm) | | | | | |
| GIW-03 | 6/5/2018 | 8.6 | 45 | 2.6 | 26 | 17 | 810 | |
| GIW-03 | 7/3/2018 | 9.9 | 46 | 3.4 | 20 | 19 | 780 | |
| GIW-04 | 3/5/2018 | 9.6 | 51 | ND | 5.8 | 32 | 850 | |
| GIW-04 | 4/3/2018 | 11 | 44 | 4.3 | 15 | 25 | 1,100 | |
| GIW-04 | 5/2/2018 | 4.6 | 38 | 6.2 | 25 | 26 | 1,100 | See Note 3 |
| GIW-04 | 6/5/2018 | 0.60 | 45 | 3.8 | 13 | 37 | 1,800 | See Note 4 |
| GIW-04 | 7/3/2018 | 2.5 | 52 | ND | 5.0 | 38 | 1,700 | |
| GIW-05 | 3/5/2018 | 0.15 | 3.8 | 20 | 70 | 5.4 | 46 | See Note 4 |
| GIW-05 | 4/6/2018 | 0.011 | 0.23 | 22 | 78 | ND | ND | See Note 3 |
| GIW-05 | 5/10/2018 | 0.42 | 11 | 16 | 58 | 14 | 130 | See Note 3 |
| GIW-05 | 6/5/2018 | 0.54 | 15 | 15 | 53 | 16 | 160 | See Note 3 |
| GIW-05 | 7/5/2018 | 0.77 | 20 | 13 | 45 | 22 | 210 | See Note 3 |
| GIW-06 | 3/5/2018 | 16 | 43 | ND | 22 | 17 | 230 | |
| GIW-06 | 4/4/2018 | 15 | 44 | ND | 23 | 17 | 280 | |
| GIW-06 | 5/3/2018 | 20 | 43 | ND | 25 | 11 | 170 | |
| GIW-06 | 6/5/2018 | 24 | 41 | ND | 21 | 12 | 180 | |
| GIW-06 | 7/3/2018 | 27 | 41 | ND | 19 | 11 | 160 | |
| GIW-07 | 3/5/2018 | 31 | 54 | ND | 9.7 | 4.4 | 220 | |
| GIW-07 | 4/4/2018 | 27 | 55 | 2.0 | 9.4 | 6.7 | 410 | |
| GIW-07 | 5/3/2018 | 28 | 58 | ND | 4.9 | 7.2 | 360 | |
| GIW-07 | 6/5/2018 | 34 | 54 | ND | 4.6 | 6.6 | 300 | |
| GIW-07 | 7/3/2018 | 35 | 53 | ND | 4.2 | 5.9 | 260 | |
| GIW-08 | 3/5/2018 | 27 | 55 | ND | 17 | 0.26 | 52 | |
| GIW-08 | 4/4/2018 | 33 | 53 | ND | 12 | 0.12 | 35 | |
| GIW-08 | 5/3/2018 | 37 | 53 | ND | 9.0 | 0.054 | ND | |
| GIW-08 | 6/5/2018 | 40 | 50 | ND | 9.1 | 0.15 | 45 | |
| GIW-08 | 7/3/2018 | 43 | 49 | ND | 6.4 | 0.34 | 58 | |
| GIW-09 | 3/5/2018 | 3.5 | 19 | 7.2 | 63 | 7.2 | 220 | See Note 3 |
| GIW-09 | 4/4/2018 | 2.4 | 14 | 13 | 67 | 4.1 | 130 | See Note 4 |
| GIW-09 | 5/3/2018 | 3.4 | 24 | 5.6 | 64 | 2.6 | 120 | See Note 4 |
| GIW-09 | 6/5/2018 | 5.4 | 19 | 8.3 | 64 | 2.9 | 100 | See Note 4 |
| GIW-09 | 7/3/2018 | 7.8 | 24 | 4.3 | 59 | 5.5 | 89 | |
| GIW-10 | 3/5/2018 | 8.7 | 34 | ND | 40 | 16 | 440 | |
| GIW-10 | 4/4/2018 | 7.9 | 30 | ND | 47 | 14 | 410 | |
| GIW-10 | 5/3/2018 | 8.5 | 28 | 1.8 | 50 | 11 | 310 | |
| GIW-10 | 6/5/2018 | 9.8 | 31 | ND | 44 | 14 | 440 | |
| GIW-10 | 7/5/2018 | 11 | 34 | ND | 38 | 16 | 420 | |
| GIW-11 | 3/5/2018 | 16 | 44 | ND | 20 | 18 | 730 | |
| GIW-11 | 4/3/2018 | 18 | 41 | 1.7 | 25 | 14 | 550 | |
| GIW-11 | 5/2/2018 | 12 | 34 | 2.3 | 39 | 13 | 600 | |
| GIW-11 | 6/5/2018 | 12 | 36 | ND | 38 | 13 | 600 | |
| GIW-11 | 7/3/2018 | 20 | 40 | ND | 28 | 11 | 380 | |
| GIW-12 | 3/5/2018 | 9.3 | 42 | 3.1 | 26 | 19 | 970 | |
| GIW-12 | 4/3/2018 | 9.0 | 43 | 4.4 | 23 | 20 | 1,100 | |
| GIW-12 | 5/2/2018 | 10 | 25 | 10 | 45 | 9.3 | 490 | See Note 4 |
| GIW-12 | 6/5/2018 | 8.8 | 34 | 7.3 | 34 | 16 | 820 | See Note 3 |
| GIW-12 | 7/3/2018 | 9.3 | 53 | ND | 9.1 | 27 | 1,300 | |
| GIW-13 | 3/5/2018 | 23 | 58 | ND | 3.2 | 14 | 370 | |
| GIW-13 | 4/3/2018 | 25 | 54 | ND | 6.5 | 13 | 350 | |
| GIW-13 | 5/2/2018 | 23 | 50 | 3.1 | 12 | 12 | 370 | |
| GIW-13 | 6/5/2018 | 31 | 53 | ND | 4.5 | 11 | 330 | |
| GIW-13 | 7/3/2018 | 27 | 56 | ND | ND | 13 | 390 | |
| Flare Station ² | 3/7/2018 | 11.2 | 32.8 | 8.1 | 37.0 | 10.2 | 505 | See Note 6 |
| Flare Station ² | 4/5/2018 | 11.8 | 34.5 | 7.4 | 34.6 | 10.6 | 485 | See Note 6 |
| Flare Station ² | 5/1/2018 | 12.3 | 32.8 | 7.4 | 36.3 | 10.0 | 495 | See Note 6 |
| Flare Station ² | 6/1/2018 | 12.7 | 37.1 | 6.2 | 32.2 | 10.4 | 505 | See Note 6 |

Laboratory Analysis - Bridgeton Landfill

| Well Name | Date Sampled | Methane | CO ₂ | O ₂ /Argon | Nitrogen | Hydrogen | Carbon Monoxide | Comments |
|----------------------------|--------------|---------|-----------------|-----------------------|----------|----------|-----------------|------------|
| | | (%) | (ppm) | | | | | |
| Flare Station ² | 7/2/2018 | 13.5 | 36.8 | 6.4 | 32.0 | 10.1 | 445 | See Note 6 |

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



July 26, 2018



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: J071801-01/139

Enclosed are results for sample(s) received 7/18/18 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; David Randall, Dustin Thoenen and Don Murphy, Weaver Consultants Group; and Jan Feezor, Feezor Engineering on 7/25/18.

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

Sincerely,

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

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Enclosures

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

| CHAIN OF CUSTODY RECORD | | | | | | | | | |
|--|--------------------------|--------------|--------------------------|--------------|-------------------------------------|---|--------|---------------|-----------------|
| TURNAROUND TIME | | | | DELIVERABLES | | | PAGE: | | |
| Standard | <input type="checkbox"/> | 48 hours | <input type="checkbox"/> | EDD | <input checked="" type="checkbox"/> | Condition upon receipt: | 1 | OF | 15 |
| Same Day | <input type="checkbox"/> | 72 hours | <input type="checkbox"/> | EDF | <input type="checkbox"/> | Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> | | | |
| 24 hours | <input type="checkbox"/> | 96 hours | <input type="checkbox"/> | Level 3 | <input type="checkbox"/> | Intact Yes <input type="checkbox"/> No <input type="checkbox"/> | | | |
| Other: <u>5 Day</u> | <input type="checkbox"/> | | <input type="checkbox"/> | Level 4 | <input type="checkbox"/> | Chilled _____ deg C | | | |
| ANALYSIS REQUEST | | | | | | | | | |
| BILLING P.O. No.: PO7112802 Bill to: Republic Services Attn: Mike Lambrich 13570 St. Charles Rock Rd. Bridgeton, MO 63044 | | | | | | | | | |
| BILLING D1946 + CO, H2 Press ALT, AL | | | | | | | | | |
| SAMPLE IDENTIFICATION | | | | | | | | | |
| LAB USE ONLY | Cannister ID | Sample Start | Sample End | SAMPLE DATE | SAMPLE TIME | CONTAINER QTY/TYPE | MATRIX | PRESERVA-TION | PRESERVE-A-TION |
| J071801 - 01 | A8067 | -20 | -5 | 7/3/2018 | 8:23 | C | LFG | NA | X |
| -02 | A8068 | -19.9 | -5 | 7/3/2018 | 8:34 | C | LFG | NA | X |
| -03 | 6155 | -20.1 | -5 | 7/3/2018 | 8:44 | C | LFG | NA | X |
| -04 | 5306 | -20 | -5 | 7/3/2018 | 8:53 | C | LFG | NA | X |
| -05 | 5837 | -20.3 | -5 | 7/3/2018 | 9:56 | C | LFG | NA | X |
| -06 | 5815 | -19.8 | -5 | 7/3/2018 | 10:06 | C | LFG | NA | X |
| -07 | 3838 | -20.1 | -5 | 7/3/2018 | 10:16 | C | LFG | NA | X |
| -08 | A8065 | -20.3 | -5 | 7/3/2018 | 10:34 | C | LFG | NA | X |
| -09 | A7773 | -19.8 | -5 | 7/3/2018 | 10:44 | C | LFG | NA | X |
| -10 | A7646 | -20.1 | -5 | 7/3/2018 | 13:28 | C | LFG | NA | X |
| COMMENTS | | | | | | | | | |
| AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services | | | | | | | | | |
| SAMPLED BY: Tim Ahrens | COMPANY: Cornerstone | | | | | | | | |
| RELINQUISHED BY: <u>Tim Ahrens</u> | DATE/TIME: <u>7/7/18</u> | RECEIVED BY | DATE/TIME: <u>7/3/18</u> | | | | | | |
| RELINQUISHED BY: <u>Dave Penoyer</u> | DATE/TIME: <u>7/7/18</u> | RECEIVED BY | DATE/TIME: <u>7/3/18</u> | | | | | | |
| RELINQUISHED BY: <u>ATL</u> | DATE/TIME: <u>7/7/18</u> | RECEIVED BY | DATE/TIME: <u>7/3/18</u> | | | | | | |
| METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATL Other _____ | | | | | | | | | |
| DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy | | | | | | | | | |
| Preservation: H=HCl N=None / Container: B=Bag C=Can V=VOA O=Other Rev. 03 - 5/7/09 | | | | | | | | | |

| CHAIN OF CUSTODY RECORD | | | | | | | | | | | |
|----------------------------|-------|-----------------------------------|--------------------------|----------------------------------|--|----------------------------------|-------|--|--------------------|--------------------------------|---|
| TURNAROUND TIME | | | | DELIVERABLES | | | | PAGE: | | | |
| Standard | | <input type="checkbox"/> 48 hours | | <input type="checkbox"/> EDD | | <input type="checkbox"/> EDF | | <input type="checkbox"/> Condition upon receipt: | | 2 OF 15 | |
| Same Day | | <input type="checkbox"/> 72 hours | | <input type="checkbox"/> Level 3 | | <input type="checkbox"/> Level 4 | | <input type="checkbox"/> Sealed Yes | | <input type="checkbox"/> No | |
| 24 hours | | <input type="checkbox"/> 96 hours | | <input type="checkbox"/> Level 3 | | <input type="checkbox"/> Level 4 | | <input type="checkbox"/> Intact Yes | | <input type="checkbox"/> No | |
| Other: | | <u>5 Day</u> | | | | | | <input type="checkbox"/> Chilled | | <input type="checkbox"/> deg C | |
| ANALYSIS REQUEST | | | | | | | | | | | |
| P.O. No.: PO7112802 | | | | | | | | | | | |
| Bill to: Republic Services | | | | | | | | | | | |
| Attn: Mike Lambrich | | | | | | | | | | | |
| 13570 St. Charles Rock Rd. | | | | | | | | | | | |
| Bridgeton, MO 63044 | | | | | | | | | | | |
| Press 1214 | | | | | | | | | | | |
| BILLING | | | Cannister Pressure ("hg) | | | | | | | | |
| LAB USE ONLY | | | SAMPLE IDENTIFICATION | | | SAMPLE DATE | | | CONTAINER QTY/TYPE | | |
| Cannister ID | | | Sample Start | Sample End | | SAMPLE TIME | | PRESERVE MATRIX | PRESERVATION | DATE/TIME | |
| <u>JB71801-11</u> | 3837 | -20.1 | -5 | GIW 13 | | 7/3/2018 | 13:38 | C | LFG | NA | X |
| <u>-12</u> | A7812 | -19.7 | -5 | GIW 1 | | 7/3/2018 | 14:11 | C | LFG | NA | X |
| <u>-13</u> | A7804 | -20.2 | -5 | GIW 2 | | 7/3/2018 | 14:23 | C | LFG | NA | X |
| <u>-14</u> | 5922 | -19.3 | -5 | GIW 3 | | 7/3/2018 | 14:33 | C | LFG | NA | X |
| <u>-15</u> | 5833 | -20.1 | -5 | GIW 4 | | 7/3/2018 | 14:42 | C | LFG | NA | X |
| <u>-16</u> | 4656 | -20.4 | -5 | GIW 10 | | 7/5/2018 | 8:38 | C | LFG | NA | X |
| <u>-17</u> | A8098 | -20.2 | -5 | GIW 5 | | 7/5/2018 | 8:49 | C | LFG | NA | X |
| <u>-18</u> | A7770 | -20.5 | -5 | GEW 160 | | 7/5/2018 | 9:43 | C | LFG | NA | X |
| <u>-19</u> | A7816 | -20.2 | -5 | GEW 161 | | 7/5/2018 | 9:53 | C | LFG | NA | X |
| <u>-20</u> | 5936 | -20.4 | -5 | GEW 91 | | 7/5/2018 | 10:08 | C | LFG | NA | X |

COMMENTS

| | | |
|--|-----------------------------------|-------------------------------|
| AUTHORIZATION TO PERFORM WORK: <u>Dave Penoyer</u> | COMPANY: <u>Republic Services</u> | DATE/TIME: <u>7/3/18 7:53</u> |
| SAMPLED BY: <u>Tim Ahrens</u> | COMPANY: <u>Cornerstone</u> | DATE/TIME: <u>7/3/18 7:53</u> |
| RELINQUISHED BY <u>John Ahrens</u> DATE/TIME <u>7/7/18</u> | RECEIVED BY | DATE/TIME |
| RELINQUISHED BY <u>John Ahrens</u> DATE/TIME <u>7/7/18</u> | RECEIVED BY <u>John Ahrens</u> | DATE/TIME <u>7/8/18 10:41</u> |
| RELINQUISHED BY <u>John Ahrens</u> DATE/TIME <u>7/7/18</u> | RECEIVED BY <u>John Ahrens</u> | DATE/TIME |

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

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

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

| CHAIN OF CUSTODY RECORD | | | | | | | | | | | |
|---|--------------------------------|-----------------------|--------------------------|--------------|-------------------------------------|-------------|--------------------------|------------|--------------------------|-------|--------------------------|
| TURNAROUND TIME | | | | DELIVERABLES | | | | PAGE: | | | |
| Standard | <input type="checkbox"/> | 48 hours | <input type="checkbox"/> | EDD | <input checked="" type="checkbox"/> | EDF | <input type="checkbox"/> | Sealed Yes | <input type="checkbox"/> | No | <input type="checkbox"/> |
| Same Day | <input type="checkbox"/> | 72 hours | <input type="checkbox"/> | | | | | Intact Yes | <input type="checkbox"/> | No | <input type="checkbox"/> |
| 24 hours | <input type="checkbox"/> | 96 hours | <input type="checkbox"/> | Level 3 | <input type="checkbox"/> | Level 4 | <input type="checkbox"/> | Chilled | <input type="checkbox"/> | deg C | <input type="checkbox"/> |
| Other: | <u>5 Day</u> | | | | | | | | | | |
| ANALYSIS REQUEST | | | | | | | | | | | |
| D1946 + CO, H2 | | | | | | | | | | | |
| P.Dates | | | | | | | | | | | |
| LFB | | | | | | | | | | | |
| Attn: Mike Lambrich | | | | | | | | | | | |
| 13570 St. Charles Rock Rd. | | | | | | | | | | | |
| Bridgeton, MO 63044 | | | | | | | | | | | |
| BILLING | | | | | | | | | | | |
| P.O. No.: | PO7112802 | | | | | | | | | | |
| Bill to: | Republic Services | | | | | | | | | | |
| 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 | | | | | | | | | | |
| Cannister Pressure ("ng) | | | | | | | | | | | |
| LAB USE ONLY | | | SAMPLE IDENTIFICATION | | | SAMPLE DATE | | | SAMPLE TIME | | |
| Cannister ID | Sample Start | Sample End | CONTAINER QTY/TYPE | MATRIX | PRESERVE-ACTION | DATE | TIME | DATE | TIME | DATE | TIME |
| J871801 - 21 | A7794 | -20.3 | -5 | GEW 154 | 7/5/2018 | 10:19 | C | LFG | NA | X | -10 |
| -22 | 5274 | -20.4 | -5 | GEW 90 | 7/5/2018 | 11:25 | C | LFG | NA | X | -10 |
| -23 | A7662 | -20.4 | -5 | GEW 162 | 7/5/2018 | 11:36 | C | LFG | NA | X | -10 |
| -24 | A7772 | -20.3 | -5 | GEW 149 | 7/5/2018 | 11:47 | C | LFG | NA | X | -10 |
| -25 | A7769 | -20.1 | -5 | GEW 67A | 7/5/2018 | 11:59 | C | LFG | NA | X | -10 |
| -26 | A8070 | -20.2 | -5 | GEW 86 | 7/5/2018 | 14:08 | C | LFG | NA | X | -10 |
| -27 | A7645 | -20 | -5 | GEW 13A | 7/5/2018 | 14:30 | C | LFG | NA | X | -10 |
| -28 | 5817 | -20.6 | -5 | GEW 163 | 7/9/2018 | 8:54 | C | LFG | NA | X | -10 |
| -29 | 5905 | -20.2 | -5 | GEW 164 | 7/9/2018 | 9:05 | C | LFG | NA | X | -10 |
| -30 | A7781 | -20.4 | -5 | GEW 165 | 7/9/2018 | 9:17 | C | LFG | NA | X | -10 |
| COMMENTS | | | | | | | | | | | |
| AUTHORIZATION TO PERFORM WORK: Dave Penoyer | COMPANY: Republic Services | | | | | | | | | | |
| SAMPLED BY: Tim Ahrens | COMPANY: Comerstone | | | | | | | | | | |
| RELINQUISHED BY  | DATE/TIME | RECEIVED BY DATE/TIME | | | | | | | | | |
| RELINQUISHED BY FedEx | DATE/TIME | RECEIVED BY DATE/TIME | | | | | | | | | |
| RELINQUISHED BY | DATE/TIME | RECEIVED BY DATE/TIME | | | | | | | | | |
| METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other _____ | | | | | | | | | | | |
| Preservation: H=HCl N=None / Container: B=Bag C=Can V=VOA O=Other Rev. 03 - 5/7/09 | | | | | | | | | | | |
| DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy | | | | | | | | | | | |

| CHAIN OF CUSTODY RECORD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------|----------------------------|-----------------------------------|---|----------------------------------|--------------------------|-------------------------------------|-----------------------------|--------------|-----------------------|--|--|-------------|--|--|-------------|--|--|--------------|----------------------------|--------------|--------------|------------|------|------|-----------|----------|--------|------|---------------------|--|--|--|--|--|--|--|--|--|----------------------------|--|--|--|--|--|--|--|--|--|---------------------|--|--|--|--|--|--|--|--|--|
| | | TURNAROUND TIME | | DELIVERABLES | | PAGE: | | 4 OF 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Standard | <input type="checkbox"/> 48 hours | <input checked="" type="checkbox"/> EDD | <input type="checkbox"/> | Condition upon receipt: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Same Day | <input type="checkbox"/> | <input type="checkbox"/> 72 hours | <input type="checkbox"/> EDF | <input type="checkbox"/> | Sealed Yes <input type="checkbox"/> | No <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 24 hours | <input type="checkbox"/> | <input type="checkbox"/> 96 hours | <input type="checkbox"/> Level 3 | <input type="checkbox"/> | Intact Yes <input type="checkbox"/> | No <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Other: <u>5 Day</u> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Level 4 | <input type="checkbox"/> | Chilled <input type="checkbox"/> | deg C <u>12°F</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>P.O. No.: PO7112802</td> <td colspan="9"></td> </tr> <tr> <td>Bill to: Republic Services</td> <td colspan="9"></td> </tr> <tr> <td>Attn: Mike Lambrich</td> <td colspan="9"></td> </tr> <tr> <td>13570 St. Charles Rock Rd.</td> <td colspan="9"></td> </tr> <tr> <td>Bridgeton, MO 63044</td> <td colspan="9"></td> </tr> </table> | | | | | | | | | | P.O. No.: PO7112802 | | | | | | | | | | Bill to: Republic Services | | | | | | | | | | Attn: Mike Lambrich | | | | | | | | | | 13570 St. Charles Rock Rd. | | | | | | | | | | Bridgeton, MO 63044 | | | | | | | | | |
| P.O. No.: PO7112802 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bill to: Republic Services | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Attn: Mike Lambrich | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13570 St. Charles Rock Rd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bridgeton, MO 63044 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BILLING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>P.O. No.: PO7112802</td> <td colspan="9"></td> </tr> <tr> <td>Bill to: Republic Services</td> <td colspan="9"></td> </tr> <tr> <td>Attn: Mike Lambrich</td> <td colspan="9"></td> </tr> <tr> <td>13570 St. Charles Rock Rd.</td> <td colspan="9"></td> </tr> <tr> <td>Bridgeton, MO 63044</td> <td colspan="9"></td> </tr> </table> | | | | | | | | | | P.O. No.: PO7112802 | | | | | | | | | | Bill to: Republic Services | | | | | | | | | | Attn: Mike Lambrich | | | | | | | | | | 13570 St. Charles Rock Rd. | | | | | | | | | | Bridgeton, MO 63044 | | | | | | | | | |
| P.O. No.: PO7112802 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bill to: Republic Services | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Attn: Mike Lambrich | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13570 St. Charles Rock Rd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bridgeton, MO 63044 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <th colspan="3">SAMPLE IDENTIFICATION</th> <th colspan="3">SAMPLE DATE</th> <th colspan="3">SAMPLE TIME</th> <th colspan="2">PRESERVATION</th> </tr> <tr> <th>Cannister ID</th> <th>Sample Start</th> <th>Sample End</th> <th>DATE</th> <th>TIME</th> <th>CONTAINER</th> <th>QTY/TYPE</th> <th>MATRIX</th> <th>DATE</th> <th>TIME</th> </tr> </table> | | | | | | | | | | SAMPLE IDENTIFICATION | | | SAMPLE DATE | | | SAMPLE TIME | | | PRESERVATION | | Cannister ID | Sample Start | Sample End | DATE | TIME | CONTAINER | QTY/TYPE | MATRIX | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE IDENTIFICATION | | | SAMPLE DATE | | | SAMPLE TIME | | | PRESERVATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cannister ID | Sample Start | Sample End | DATE | TIME | CONTAINER | QTY/TYPE | MATRIX | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>J071801-31</u> | A7799 | -19 | -5 | GEW 166 | 7/9/2018 | 9:28 | C | LFG | NA | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>-32</u> | 3155 | -20.3 | -5 | GEW 167 | 7/9/2018 | 10:30 | C | LFG | NA | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>-33</u> | A8056 | -20.4 | -5 | GEW 168 | 7/9/2018 | 10:44 | C | LFG | NA | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>-34</u> | 5272 | -20.2 | -5 | GEW 169 | 7/9/2018 | 10:56 | C | LFG | NA | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>-35</u> | A7767 | -20.5 | -5 | GEW 184 | 7/9/2018 | 11:41 | C | LFG | NA | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>-36</u> | A8055 | -20.3 | -5 | GEW 185 | 7/9/2018 | 11:52 | C | LFG | NA | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>-37</u> | 5316 | -20.5 | -5 | GEW 182 | 7/9/2018 | 13:57 | C | LFG | NA | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>-38</u> | 5821 | -20.4 | -5 | GEW 188 | 7/9/2018 | 14:19 | C | LFG | NA | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>-39</u> | A7761 | -20.2 | -5 | GEW 181 | 7/11/2018 | 7:57 | C | LFG | NA | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>-40</u> | 5907 | -20.2 | -5 | GEW 180 | 7/11/2018 | 8:08 | C | LFG | NA | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COMMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLED BY: <u>Tim Ahrens</u> | COMPANY: Cornerstone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY <u>Tim Ahrens</u> | DATE/TIME <u>7/17/18</u> | RECEIVED BY <u>7/17/18</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY <u>TEN 64</u> | DATE/TIME <u>7/17/18</u> | RECEIVED BY <u>7/17/18</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY _____ | DATE/TIME _____ | RECEIVED BY _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preservation: H=HCl N=None / Container: B=Bag C=Can V=VOA O=Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rev. 03 - 5/7/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| CHAIN OF CUSTODY RECORD | | | | | | | | | | | |
|--|--------------------------|--|--------------------------|--------------------|-------------------------------------|-------------------------|--------------------------|-------|--------------------------|----|---|
| TURNAROUND TIME | | | | DELIVERABLES | | | | PAGE: | | | |
| Standard | <input type="checkbox"/> | 48 hours | <input type="checkbox"/> | EDD | <input checked="" type="checkbox"/> | Condition upon receipt: | | 5 | OF | 15 | |
| Same Day | <input type="checkbox"/> | 72 hours | <input type="checkbox"/> | EDF | <input type="checkbox"/> | Sealed Yes | <input type="checkbox"/> | No | <input type="checkbox"/> | | |
| 24 hours | <input type="checkbox"/> | 96 hours | <input type="checkbox"/> | Level 3 | <input type="checkbox"/> | Intact Yes | <input type="checkbox"/> | No | <input type="checkbox"/> | | |
| Other: | <input type="checkbox"/> | 5 Day | <input type="checkbox"/> | Level 4 | <input type="checkbox"/> | Chilled | <input type="checkbox"/> | deg C | | | |
| BILLING | | | | | | | | | | | |
| P.O. No.: | PO7112802 | | | ANALYSIS REQUEST | | | | | | | |
| Bill to: | Republic Services | | | | | | | | | | |
| Attn: | Mike Lambrich | | | | | | | | | | |
| 13570 St. Charles Rock Rd. | | | | | | | | | | | |
| Bridgeton, MO 63044 | | | | | | | | | | | |
| LAB USE ONLY | | | | | | | | | | | |
| Cannister Pressure ("ng) | | | SAMPLE IDENTIFICATION | | | SAMPLE DATE | | | SAMPLE TIME | | |
| Cannister ID | Sample Start | Sample End | | | | | | | | | |
| J071801-41 | 6149 | -19.9 | -5 | GEW 179 | | 7/11/2018 | 8:19 | C | LFG | NA | X |
| -42 | 4648 | -20.2 | -5 | GEW 178 | | 7/11/2018 | 8:30 | C | LFG | NA | X |
| -43 | 3124 | -20.1 | -5 | GEW 186 | | 7/11/2018 | 8:49 | C | LFG | NA | X |
| -44 | 5816 | -20.5 | -5 | GEW 187 | | 7/11/2018 | 9:05 | C | LFG | NA | X |
| -45 | 5929 | -20 | -5 | GEW 148 | | 7/11/2018 | 9:53 | C | LFG | NA | X |
| -46 | A7775 | -20.2 | -5 | GEW 87 | | 7/11/2018 | 10:04 | C | LFG | NA | X |
| -47 | 6152 | -20.2 | -5 | GEW 15 | | 7/11/2018 | 10:38 | C | LFG | NA | X |
| -48 | A7800 | -20.2 | -5 | GEW 113 | | 7/11/2018 | 10:50 | C | LFG | NA | X |
| -49 | 5323 | -20.3 | -5 | GEW 16R | | 7/11/2018 | 11:07 | C | LFG | NA | X |
| -50 | A7809 | -20.6 | -5 | GEW 146 | | 7/11/2018 | 11:37 | C | LFG | NA | X |
| AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services | | | | | | | | | | | |
| SAMPLED BY: Tim Ahrens | COMPANY: Cornerstone | | | DATE/TIME: 7/11/18 | | | | | | | |
| RELINQUISHED BY:  | DATETIME: 7/11/18 | RECEIVED BY: | DATE/TIME: 7/11/18 | | | | | | | | |
| RELINQUISHED BY:  | DATETIME: 7/11/18 | RECEIVED BY:  | DATE/TIME: 7/11/18 | | | | | | | | |
| RELINQUISHED BY: | DATETIME: | RECEIVED BY: | DATE/TIME: | | | | | | | | |
| METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other _____ | | | | | | | | | | | |
| DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy | | | | | | | | | | | |
| Preservation: H=HCl N=None / Container: B=Bag C=Can V=VOA O=Other Rev. 03 - 5/7/09 | | | | | | | | | | | |

| CHAIN OF CUSTODY RECORD | | | | | | | | | |
|--|--|-----------------------|--------------------------|--------------|-------------------------------------|---|--------|--------------|----------------|
| TURNAROUND TIME | | | | DELIVERABLES | | | PAGE: | | |
| Standard | <input type="checkbox"/> | 48 hours | <input type="checkbox"/> | EDD | <input checked="" type="checkbox"/> | Condition upon receipt: | 6 | OF | 15 |
| Same Day | <input type="checkbox"/> | 72 hours | <input type="checkbox"/> | EDF | <input type="checkbox"/> | Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> | | | |
| 24 hours | <input type="checkbox"/> | 96 hours | <input type="checkbox"/> | Level 3 | <input type="checkbox"/> | Intact Yes <input type="checkbox"/> No <input type="checkbox"/> | | | |
| Other: | <input type="checkbox"/> | 5 Day | <input type="checkbox"/> | Level 4 | <input type="checkbox"/> | Chilled — deg C | | | |
| BILLING | | | | | | | | | |
| P.O. No.: | PO7112802 | | | | | | | | |
| Bill to: | Republic Services | | | | | | | | |
| Attn: | Mike Lambrich | | | | | | | | |
| 13570 St. Charles Rock Rd. | | | | | | | | | |
| Bridgeton, MO 63044 | | | | | | | | | |
| 13570 St. Charles Rock Rd. | | | | | | | | | |
| Bridgeton, MO 63044 | | | | | | | | | |
| ANALYSIS REQUEST | | | | | | | | | |
| <p style="text-align: center;"><i>Initials Process</i></p> | | | | | | | | | |
| LAB USE ONLY | | SAMPLE IDENTIFICATION | | SAMPLE DATE | SAMPLE TIME | CONTAINER QTY/TYPE | MATRIX | PRESERVATION | TRANSPORTATION |
| Cannister ID | Sample Start | Sample End | | | | | | | |
| J071801-51 | A7670 | -20.1 | -5 | GEW 147 | 7/11/2018 | 13:59 | C | LFG | NA X |
| -52 | 5305 | -20.1 | -5 | GEW 136 | 7/11/2018 | 14:12 | C | LFG | NA X |
| -53 | 3436 | -19.9 | -5 | GEW 137 | 7/11/2018 | 14:23 | C | LFG | NA X |
| -54 | 5834 | -20.1 | -5 | GEW 138 | 7/12/2018 | 10:00 | C | LFG | NA X |
| -55 | A8069 | -20.1 | -5 | GEW 78R | 7/12/2018 | 10:13 | C | LFG | NA X |
| -56 | 6146 | -20.2 | -5 | GEW 155 | 7/12/2018 | 10:55 | C | LFG | NA X |
| -57 | 5835 | -19.9 | -5 | GEW 135 | 7/12/2018 | 11:29 | C | LFG | NA X |
| -58 | A7759 | -20.2 | -5 | GEW 134 | 7/12/2018 | 11:42 | C | LFG | NA X |
| -59 | 5304 | -20.1 | -5 | GEW 132 | 7/12/2018 | 13:46 | C | LFG | NA X |
| -60 | A7751 | -20 | -5 | GEW 82R | 7/12/2018 | 13:58 | C | LFG | NA X |
| COMMENTS | | | | | | | | | |
| AUTHORIZATION TO PERFORM WORK: | Dave Penoyer COMPANY: Republic Services | | | | | | | | |
| SAMPLED BY: | Tim Ahrens COMPANY: Cornerstone DATE/TIME: 7/11/18 - 7/12/18 | | | | | | | | |
| RELINQUISHED BY | RECEIVED BY DATE/TIME: 7/11/18 | | | | | | | | |
| RELINQUISHED BY | RECEIVED BY DATE/TIME: 7/13/18 | | | | | | | | |
| RELINQUISHED BY | RECEIVED BY DATE/TIME: 7/13/18 | | | | | | | | |
| METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier AT&T Other _____ | | | | | | | | | |
| DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy | | | | | | | | | |
| Preservation: H=HCl N=None / Container: B=Bag C=Can V=VOA O=Other Rev. 03 - 5/7/09 | | | | | | | | | |

| CHAIN OF CUSTODY RECORD | | | | | | | | | |
|--|-----------------------|--------------------------------|-----------------------------------|---|--------------------------|---|--------------------|--------------------------------|--------------------|
| | | TURNAROUND TIME | | DELIVERABLES | | PAGE: | | OF | |
| | | Standard | <input type="checkbox"/> 48 hours | <input checked="" type="checkbox"/> EDD | <input type="checkbox"/> | Condition upon receipt: | 7 | | 15 |
| | | Same Day | <input type="checkbox"/> | <input type="checkbox"/> 72 hours | <input type="checkbox"/> | Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> | | | |
| | | 24 hours | <input type="checkbox"/> | <input type="checkbox"/> 96 hours | <input type="checkbox"/> | Intact Yes <input type="checkbox"/> No <input type="checkbox"/> | | | |
| | | Other: | <input type="checkbox"/> | <input type="checkbox"/> 5 Day | <input type="checkbox"/> | Chilled _____ deg C | | | |
| ANALYSIS REQUEST | | | | | | | | | |
| BILLING P.O. No.: PO7112802 Bill to: Republic Services Attn: Mike Lambrich 13570 St. Charles Rock Rd. Bridgeton, MO 63044 | | | | | | | | | |
| ANALYSIS REQUEST BILLING P.O. No.: PO7112802 Bill to: Republic Services Attn: Mike Lambrich 13570 St. Charles Rock Rd. Bridgeton, MO 63044 | | | | | | | | | |
| LAB USE ONLY | | | | | | | | | |
| | | | SAMPLE IDENTIFICATION | | | | | | |
| | | | Cannister ID | Sample Start | Sample End | SAMPLE DATE | SAMPLE TIME | CONTAINER QTY/TYPE | PRESERVE MATRIX |
| J871801-61 | 6144 | -20.5 | -5 | GEW 81 | 7/12/2018 | 14:14 | C | LFG | NA X |
| -62 | 3126 | -20.5 | -5 | GEW 117 | 7/13/2018 | 8:14 | C | LFG | NA X |
| -63 | 6154 | -20.2 | -5 | GEW 116 | 7/13/2018 | 8:26 | C | LFG | NA X |
| -64 | A7782 | -20.5 | -5 | GEW 133 | 7/13/2018 | 8:37 | C | LFG | NA X |
| -65 | A7776 | -20.1 | -5 | GEW 121 | 7/13/2018 | 9:36 | C | LFG | NA X |
| -66 | 5928 | -20.3 | -5 | GEW 123 | 7/13/2018 | 9:47 | C | LFG | NA X |
| -67 | 5813 | -18.2 | -5 | GEW 124 | 7/13/2018 | 10:43 | C | LFG | NA X |
| -68 | A7795 | -20.4 | -5 | GEW 122 | 7/13/2018 | 11:12 | C | LFG | NA X |
| -69 | A8083 | -20.1 | -5 | GEW 125 | 7/13/2018 | 11:33 | C | LFG | NA X |
| -70 | A7760 | -20 | -5 | GEW 128 | 7/13/2018 | 14:00 | C | LFG | NA X |
| COMMENTS | | | | | | | | | |
| AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services | | | | | | | | | |
| SAMPLED BY: Tim Ahrens | COMPANY: Counterstone | | | DATE/TIME: 7/13/18 - 7/31/18 | | | | | |
| RELINQUISHED BY: <i>M. Ahrens</i> | DATE/TIME: 7/17/18 | RECEIVED BY: | | | | | | | |
| RELINQUISHED BY: <i>Tim Ahrens</i> | DATE/TIME: 7/18/18 | RECEIVED BY: <i>Tim Ahrens</i> | DATE/TIME: 7/18/18 | RECEIVED BY: <i>Tim Ahrens</i> | DATE/TIME: 7/18/18 | RECEIVED BY: <i>Tim Ahrens</i> | DATE/TIME: 7/18/18 | RECEIVED BY: <i>Tim Ahrens</i> | DATE/TIME: 7/18/18 |
| METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other _____ | | | | | | | | | |
| Preservation: H=HCl N=None / Container: B=Bag C=Can V=VOA O=Other Rev. 03 - 5/7/09 | | | | | | | | | |
| DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy | | | | | | | | | |



118501 E. Gale Ave., Suite
130
City of Industry, CA 91748
Ph: 626-964-4032
Fax: 626-964-5832

CHAIN OF CUSTODY RECORD

118501 E. Gale Ave., Suite
130
City of Industry, CA 91748
Ph: 626-964-4032
Fax: 626-964-5832

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

COMPANY: Republic Services
ADDRESS: Dave Penoyer

卷之三

COMPANY: CONCHSTONE
SAMPLER BY: J. M. ALEXIS

RECEIVED BY DATE/TIME
RELINQUISHED BY DATE/TIME

RECEIVED AND INDEXED BY [Signature] DATE REC'D BY [Signature]

卷之三

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

THEORY OF TRANSFORMERS

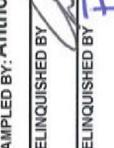
וְיִתְבָּרֵךְ יְהוָה אֱלֹהֵינוּ כִּי־יְהוָה עָמָד בְּצַדְקָה וְבְמִשְׁפָּט.

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DISTRIBUTION: White & Yellow - Lab Copies / HJK - Customer Copy
PRESERVATION: H=HCl N=None / Container B=Bag C=Can V=VOA O=Other Rev. 03 - 3/7/09

| CHAIN OF CUSTODY RECORD | | | | | | | | | |
|---|-------------------------------------|---------------------------------|------------------------------------|--------------|-------------------------------------|---|--------|-----------------|----|
| TURNAROUND TIME | | | | DELIVERABLES | | | PAGE: | | |
| Standard | <input type="checkbox"/> | 48 hours | <input type="checkbox"/> | EDD | <input checked="" type="checkbox"/> | Condition upon receipt: | 9 | OF | 15 |
| Same Day | <input type="checkbox"/> | 72 hours | <input type="checkbox"/> | EDF | <input type="checkbox"/> | Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> | | | |
| 24 hours | <input type="checkbox"/> | 96 hours | <input type="checkbox"/> | Level 3 | <input type="checkbox"/> | Intact Yes <input type="checkbox"/> No <input type="checkbox"/> | | | |
| Other: | <input checked="" type="checkbox"/> | 5 Day | <input type="checkbox"/> | Level 4 | <input type="checkbox"/> | Chilled _____ deg C | | | |
| ANALYSIS REQUEST | | | | | | | | | |
| P.O. No.: | PO7112802 | | | | | | | | |
| Bill to: | Republic Services | | | | | | | | |
| Attn: | Mike Lambrich | | | | | | | | |
| 13570 St. Charles Rock Rd. | | | | | | | | | |
| Bridgeton, MO 63044 | | | | | | | | | |
| BILLING | | | | | | | | | |
| P.O. No.: | D1946 + CO, H2 | | | | | | | | |
| Attn: Mike Lambrich | | | | | | | | | |
| 13570 St. Charles Rock Rd. | | | | | | | | | |
| Bridgeton, MO 63044 | | | | | | | | | |
| SAMPLE IDENTIFICATION | | | | | | | | | |
| LAB USE ONLY | Cannister ID | Sample Start | Sample End | SAMPLE DATE | SAMPLE TIME | CONTAINER QTY/TYPE | MATRIX | PRESERVE-ACTION | |
| J071801-75 | 3131 | -19.9 | -5 | 7/2/2018 | 14:38 | C | LFG | NA | X |
| -76 | A7793 | -19.9 | -5 | 7/2/2018 | 14:46 | C | LFG | NA | X |
| -77 | 3157 | -20.1 | -5 | 7/3/2018 | 8:11 | C | LFG | NA | X |
| -78 | 3455 | -20.2 | -5 | 7/3/2018 | 8:21 | C | LFG | NA | X |
| -79 | A7818 | -20.2 | -5 | 7/3/2018 | 8:44 | C | LFG | NA | X |
| -80 | A7663 | -20.2 | -5 | 7/3/2018 | 8:54 | C | LFG | NA | X |
| -81 | 6151 | -20.4 | -5 | 7/3/2018 | 9:04 | C | LFG | NA | X |
| -82 | A8072 | -19.8 | -5 | 7/3/2018 | 9:34 | C | LFG | NA | X |
| -83 | A7671 | -20.2 | -5 | 7/3/2018 | 9:48 | C | LFG | NA | X |
| -84 | 5267 | -20 | -5 | 7/3/2018 | 10:03 | C | LFG | NA | X |
| COMMENTS | | | | | | | | | |
| AUTHORIZATION TO PERFORM WORK: <u>Dave Penoyer</u> | COMPANY: <u>Republic Services</u> | | | | | | | | |
| SAMPLED BY: <u>Anthony Kimutis</u> | COMPANY: <u>Republic Services</u> | | | | | | | | |
| RELINQUISHED BY <u>RETRX</u> | DATE/TIME <u>7/18/18</u> | RECEIVED BY | DATE/TIME <u>7/18/18 - 7/18/18</u> | | | | | | |
| RELINQUISHED BY <u>RETRX</u> | DATE/TIME <u>7/18/18</u> | RECEIVED BY <u>Dave Penoyer</u> | DATE/TIME <u>7/18/18 - 7/18/18</u> | | | | | | |
| METHOD OF TRANSPORT (circle one): <input checked="" type="checkbox"/> Walk-In <input type="checkbox"/> FedEx <input type="checkbox"/> UPS <input type="checkbox"/> Courier <input type="checkbox"/> ATLI <input type="checkbox"/> Other _____ | | | | | | | | | |
| DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy | | | | | | | | | |
| Preservation: H=HCl N=None / Container: B=Bag C=Can V=VOA O=Other Rev. 03 - 5/7/09 | | | | | | | | | |

| CHAIN OF CUSTODY RECORD | | | | | | | | | | | |
|--|------|-----------------------------------|-------|-----------------------------------|---------|-------------------------------------|-------|--------------------------|-----|---|---|
| TURNAROUND TIME | | | | DELIVERABLES | | | | PAGE: | | | |
| Standard | | <input type="checkbox"/> 48 hours | | <input type="checkbox"/> EDD | | <input checked="" type="checkbox"/> | | 10 | | OF 15 | |
| Same Day | | <input type="checkbox"/> | | <input type="checkbox"/> 72 hours | | <input type="checkbox"/> EDF | | <input type="checkbox"/> | | Condition upon receipt: | |
| 24 hours | | <input type="checkbox"/> | | <input type="checkbox"/> 96 hours | | <input type="checkbox"/> Level 3 | | <input type="checkbox"/> | | Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> | |
| Other: <i>5-Day</i> | | <input type="checkbox"/> | | <input type="checkbox"/> | | <input type="checkbox"/> Level 4 | | <input type="checkbox"/> | | Intact Yes <input type="checkbox"/> No <input type="checkbox"/> | |
| | | | | | | | | | | Chilled — deg C | |
| <i>INITIAL REQUEST</i> | | | | | | | | | | | |
| ANALYSIS REQUEST | | | | | | | | | | | |
| D1946 + CO, H2 | | | | | | | | | | | |
| Attn: Mike Lambrich | | | | | | | | | | | |
| 13570 St. Charles Rock Rd. | | | | | | | | | | | |
| Bridgeton, MO 63044 | | | | | | | | | | | |
| BILLING | | | | | | | | | | | |
| P.O. No.: PO7112802 | | | | | | | | | | | |
| Bill to: Republic Services | | | | | | | | | | | |
| Attn: Mike Lambrich | | | | | | | | | | | |
| 13570 St. Charles Rock Rd. | | | | | | | | | | | |
| Bridgeton, MO 63044 | | | | | | | | | | | |
| SAMPLE IDENTIFICATION | | | | | | | | | | | |
| LAB USE ONLY | | Cannister ID | | Sample Start | | Sample End | | SAMPLE DATE | | SAMPLE TIME | |
| <i>J071801-85</i> | -86 | A7764 | -20.2 | -5 | GEW 55 | 7/3/2018 | 10:16 | C | LFG | NA | X |
| <i>-87</i> | -88 | 3826 | -20 | -5 | GEW 40 | 7/3/2018 | 10:26 | C | LFG | NA | X |
| <i>-89</i> | -90 | A7815 | -20.1 | -5 | GEW 41R | 7/3/2018 | 11:23 | C | LFG | NA | X |
| <i>-91</i> | -92 | A7819 | -19.9 | -5 | GEW 42R | 7/3/2018 | 11:34 | C | LFG | NA | X |
| <i>-93</i> | -94 | A7667 | -20.6 | -5 | GEW 43R | 7/5/2018 | 8:19 | C | LFG | NA | X |
| <i>-95</i> | -96 | 3825 | -19.7 | -5 | GEW 44 | 7/5/2018 | 8:29 | C | LFG | NA | X |
| <i>-97</i> | -98 | A7665 | -20.1 | -5 | GEW 45R | 7/5/2018 | 8:42 | C | LFG | NA | X |
| <i>-99</i> | -100 | A8090 | -20.5 | -5 | GEW 46R | 7/5/2018 | 8:52 | C | LFG | NA | X |
| <i>-101</i> | -102 | 3834 | -20.3 | -5 | GEW 2S | 7/5/2018 | 9:15 | C | LFG | NA | X |
| <i>-103</i> | -104 | A7766 | -20.4 | -5 | GEW 2 | 7/5/2018 | 10:01 | C | LFG | NA | X |
| COMMENTS | | | | | | | | | | | |
| AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services | | | | | | | | | | | |
| SAMPLED BY: Anthony Kimutis COMPANY: Republic Services DATE/TIME: 7/3/18 - 7/3/18 | | | | | | | | | | | |
| RELINQUISHED BY: <i>John Z.</i> DATE/TIME: 7/17/18 RECEIVED BY: <i>John Z.</i> DATE/TIME: 7/3/18 | | | | | | | | | | | |
| RELINQUISHED BY: <i>Bob B.</i> DATE/TIME: 7/17/18 RECEIVED BY: <i>Bob B.</i> DATE/TIME: 7/17/18 | | | | | | | | | | | |
| RELINQUISHED BY: DATE/TIME: RECEIVED BY: DATE/TIME: | | | | | | | | | | | |
| METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier AT&T Other _____ | | | | | | | | | | | |
| DISTRIBUTION: White & Yellow - Lab Copies /Pink - Customer Copy | | | | | | | | | | | |
| Preservation: H=HCl N=None / Container: B=Bag C=Can V=VOA O=Other Rev. 03 - 5/7/09 | | | | | | | | | | | |

| CHAIN OF CUSTODY RECORD | | | | | | | | | | |
|--|---|-------|-----------------------|--------------------------|-------------------|--------------------------|-------------|-------------------------------------|---|--|
| TURNAROUND TIME | | | DELIVERABLES | | | PAGE: | | | 11 OF 15 | |
| Project No.: | 130 | | Standard | <input type="checkbox"/> | 48 hours | <input type="checkbox"/> | EDD | <input checked="" type="checkbox"/> | Condition upon receipt: | |
| Project Name: | City of Industry, CA 91748 Ph. 626-964-4032 Fx: 626-964-5832 | | Same Day | <input type="checkbox"/> | 72 hours | <input type="checkbox"/> | EDF | <input type="checkbox"/> | Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> | |
| Report To: | 13570 St. Charles Rock Rd. | | 24 hours | <input type="checkbox"/> | 96 hours | <input type="checkbox"/> | Level 3 | <input type="checkbox"/> | Intact Yes <input type="checkbox"/> No <input type="checkbox"/> | |
| Company: | Bridgeton Landfill | | Other: | <u>5 Day</u> | | <input type="checkbox"/> | Level 4 | <input type="checkbox"/> | Chilled _____ deg C | |
| Street: | | | BILLING | | | ANALYSIS REQUEST | | | | |
| City/State/Zip: | Bridgeton , MO 63044 | | P.O. No.: | PO7112802 | | | | | | |
| Phone & Fax: | 314-683-3921 | | Bill to: | Republic Services | | | | | | |
| e-mail: | Mlambrich@publicservices.com | | Attn: | Mike Lambrich | | | | | | |
| Cannister Pressure ("ng) | | | | | | | | | | |
| LAB USE ONLY | | | SAMPLE IDENTIFICATION | | | SAMPLE DATE | SAMPLE TIME | CONTAINER QTY/TYPE | PRESERVE MATRIX | |
| J071801-95 | 3162 | -20.3 | -5 | GEW 3 | 7/5/2018 | 10:12 | C | LFG | NA X | |
| -96 | 6160 | -20.3 | -5 | GEW 4 | 7/5/2018 | 10:22 | C | LFG | NA X | |
| -97 | A7649 | -20.4 | -5 | GEW 5 | 7/5/2018 | 10:59 | C | LFG | NA X | |
| -98 | 5324 | -20.1 | -5 | GEW 47R | 7/5/2018 | 11:11 | C | LFG | NA X | |
| -99 | 5268 | -20.4 | -5 | GEW 48 | 7/5/2018 | 11:25 | C | LFG | NA X | |
| -100 | 4655 | -20.5 | -5 | GEW 49 | 7/5/2018 | 11:37 | C | LFG | NA X | |
| -101 | A7802 | -20.4 | -5 | GEW 6 | 7/5/2018 | 13:33 | C | LFG | NA X | |
| -102 | A8087 | -20 | -5 | GEW 159 | 7/11/2018 | 8:27 | C | LFG | NA X | |
| -103 | 5903 | -20.2 | -5 | GEW 108 | 7/11/2018 | 8:37 | C | LFG | NA X | |
| -104 | A8066 | -20.2 | -5 | GEW 153 | 7/11/2018 | 8:47 | C | LFG | NA X | |
| AUTHORIZATION TO PERFORM WORK: Dave Penoyer COMPANY: Republic Services | | | | | | | | | | |
| SAMPLED BY: Anthony Kimutis | COMPANY: Republic Services | | DATE/TIME | | COMMENTS | | | | | |
| RELINQUISHED BY |  | | DATE/TIME | RECEIVED BY | 7/5/18 - 7/11/18 | | | | | |
| RELINQUISHED BY |  | | DATE/TIME | RECEIVED BY | 7/11/18 - 7/13/18 | | | | | |
| METHOD OF TRANSPORT (circle one): | Walk-In | FedEx | UPS | Courier | ATL | Other | | | | |
| DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy | Preservation: H=HCl N=None / Container: B=Bag C=Can V=VOA O=Other Rev. 03 - 5/7/09 | | | | | | | | | |

| Air TECHNOLOGY Laboratories, Inc. | | CHAIN OF CUSTODY RECORD | | | | | | | | | | | | | |
|---|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------|--------------------------|--------------------------|------------------------------|-----------------------------|--------------------------|------------------------------|-----------------------------|--------------------------|
| Project No.: | Project Name: | TURNAROUND TIME | | | | DELIVERABLES | | | | PAGE: | | | | | |
| | | Standard | <input type="checkbox"/> 48 hours | <input type="checkbox"/> | EDD | <input checked="" type="checkbox"/> | EDF | <input type="checkbox"/> | Sealed | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Intact | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Chilled |
| Report To: | Company: | Mike Lambrich | P.O. No.: | PO7112802 | | | | Condition upon receipt: | | | | | | | |
| Street: | Republic Services | 13570 St. Charles Rock Rd. | Bill to: | Republic Services | | | | Sealed | <input type="checkbox"/> | <input type="checkbox"/> No | Intact | <input type="checkbox"/> | <input type="checkbox"/> No | Chilled | <input type="checkbox"/> |
| City/State/Zip: | Bridgeton , MO 63044 | Attn: Mike Lambrich | | | | | Level 3 | <input type="checkbox"/> | <input type="checkbox"/> | Level 4 | <input type="checkbox"/> | | | | |
| Phone & Fax: | 314-683-3921 | 13570 St. Charles Rock Rd. | | | | | Level 3 | <input type="checkbox"/> | <input type="checkbox"/> | Level 4 | <input type="checkbox"/> | | | | |
| e-mail: | Mlambrich@republicservices.com | Bridgeton, MO 63044 | | | | | Level 3 | <input type="checkbox"/> | <input type="checkbox"/> | Level 4 | <input type="checkbox"/> | | | | |
| | | Cannister Pressure ("ng) | SAMPLE IDENTIFICATION | | | | BILLING | | | | ANALYSIS REQUEST | | | | |
| LAB USE ONLY | | Cannister ID | Sample Start | Sample End | SAMPLE DATE | SAMPLE TIME | CONTAINER QTY/TYPE | MATRIX | PRESERVE-ACTION | D1946 + CO, H2 | D1946 + CO, H2 | D1946 + CO, H2 | D1946 + CO, H2 | D1946 + CO, H2 | |
| 7071801-115 | 4A657 | -20.4 | -5 | GEW 150 | 7/11/2018 | 11:24 | C | LFG | NA | X | | | | | |
| -116 | A7808 | -20.1 | -5 | GEW 157 | 7/11/2018 | 13:26 | C | LFG | NA | X | | | | | |
| -117 | 5307 | -20.2 | -5 | GEW 57B | 7/11/2018 | 13:37 | C | LFG | NA | X | | | | | |
| -118 | 5819 | -20.1 | -5 | GEW 156 | 7/11/2018 | 13:55 | C | LFG | NA | X | | | | | |
| -119 | A8073 | -20.1 | -5 | GEW 145 | 7/12/2018 | 8:17 | C | LFG | NA | X | | | | | |
| -120 | 6135 | -20.2 | -5 | GEW 102 | 7/12/2018 | 8:28 | C | LFG | NA | X | | | | | |
| -121 | A8063 | -19.5 | -5 | GEW 101 | 7/12/2018 | 8:42 | C | LFG | NA | X | | | | | |
| -122 | 6158 | -20.4 | -5 | GEW 144 | 7/12/2018 | 8:53 | C | LFG | NA | X | | | | | |
| -123 | 5313 | -20.4 | -5 | GEW 174 | 7/12/2018 | 9:10 | C | LFG | NA | X | | | | | |
| -124 | A7797 | -20.3 | -5 | GEW 104 | 7/12/2018 | 9:49 | C | LFG | NA | X | | | | | |
| COMMENTS | | | | | | | | | | | | | | | |
| AUTHORIZATION TO PERFORM WORK: <u>Dave Penoyer</u> | | COMPANY: <u>Republic Services</u> | | DATE/TIME: <u>7/11/18 - 7/12/18</u> | | | | | | | | | | | |
| SAMPLED BY: Anthony Kimutis | COMPANY: <u>Republic Services</u> | | RECEIVED BY: <u>RECEIVED BY</u> | | DATE/TIME: <u>7/11/18 - 7/12/18</u> | | | | | | | | | | |
| RELINQUISHED BY <u>RECEIVED BY</u> | DATE/TIME: <u>7/11/18</u> | | RECEIVED BY: <u>RECEIVED BY</u> | | DATE/TIME: <u>7/11/18</u> | | | | | | | | | | |
| RELINQUISHED BY <u>RECEIVED BY</u> | DATE/TIME: <u>7/11/18</u> | | RECEIVED BY: <u>RECEIVED BY</u> | | DATE/TIME: <u>7/11/18</u> | | | | | | | | | | |
| METHOD OF TRANSPORT (circle one): | | Walk-In | FedEx | UPS | Courier | ATL | Other | | | | | | | | |
| Preservation: H=HCl N=None / Container: B=Bag C=Can V=VOA O=Other | | | | | | | | | | | | | | | |
| DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy | | | | | | | | | | | | | | | |
| Rev. 03 - 5/7/09 | | | | | | | | | | | | | | | |



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

Project No.:
Project Name:
Report To:
Company:
Street:
City/State/Zip:
Phone& Fax:
e-mail:

Bridgeton Landfill
Mike Lambrich
Republic Services
13570 St. Charles Rock Rd.
Bridgeton , MO 63044
314-683-3921
Mlambrich@republicservices.com

CHAIN OF CUSTODY RECORD

| | | TURNAROUND TIME | | DELIVERABLES | | PAGE: | 14 | OF | 15 | | | |
|--|----------------------------|--|--------------------------------|-----------------------|-------------------------------------|-------------------------|--------------------------|--------|--------------------------|--|--|--|
| Standard | <input type="checkbox"/> | 48 hours | <input type="checkbox"/> | EDD | <input checked="" type="checkbox"/> | Condition upon receipt: | | | | | | |
| Same Day | <input type="checkbox"/> | 72 hours | <input type="checkbox"/> | EDF | <input type="checkbox"/> | Sealed Yes | <input type="checkbox"/> | No | <input type="checkbox"/> | | | |
| 24 hours | <input type="checkbox"/> | 96 hours | <input type="checkbox"/> | Level 3 | <input type="checkbox"/> | Intact Yes | <input type="checkbox"/> | No | <input type="checkbox"/> | | | |
| Other: | <u>5 Day</u> | | | Level 4 | <input type="checkbox"/> | Chilled | <input type="checkbox"/> | deg C | | | | |
| | | BILLING | | ANALYSIS REQUEST | | | | | | | | |
| P.O. No.: | PO7112802 | | | | | | | | | | | |
| Bill to: | Republic Services | | | | | | | | | | | |
| Attn: | Mike Lambrich | | | | | | | | | | | |
| 13570 St. Charles Rock Rd. | | | | | | | | | | | | |
| Bridgeton, MO 63044 | | | | | | | | | | | | |
| LAB USE ONLY | Cannister ID | Sample Start | Sample End | SAMPLE IDENTIFICATION | SAMPLE DATE | SAMPLE TIME | CONTAINER QTY/TYPE | MATRIX | PRESERVATION | | | |
| <u>J871801-126</u> | 5271 | -20.2 | -5 | GEW 68A | 7/12/2018 | 10:21 | C | LFG | NA X | | | |
| <u>-126</u> | 6148 | -20.3 | -5 | GEW 143 | 7/12/2018 | 10:46 | C | LFG | NA X | | | |
| <u>-127</u> | A7780 | -20.3 | -5 | GEW 100 | 7/12/2018 | 11:01 | C | LFG | NA X | | | |
| <u>-128</u> | A7820 | -20.3 | -5 | GEW 172 | 7/13/2018 | 8:44 | C | LFG | NA X | | | |
| <u>-129</u> | 5836 | -20.1 | -5 | GEW 140 | 7/13/2018 | 8:54 | C | LFG | NA X | | | |
| <u>-130</u> | 5910 | -20.4 | -5 | GEW 139 | 7/13/2018 | 9:15 | C | LFG | NA X | | | |
| <u>-131</u> | A7792 | -20.4 | -5 | GEW 173 | 7/13/2018 | 9:45 | C | LFG | NA X | | | |
| <u>-132</u> | 5825 | -20.2 | -5 | GEW 177 | 7/13/2018 | 10:08 | C | LFG | NA X | | | |
| <u>-133</u> | A8103 | -20 | -5 | GEW 129 | 7/13/2018 | 11:33 | C | LFG | NA X | | | |
| <u>-134</u> | 1619 | -20.1 | -5 | GEW 151 | 7/17/2018 | 8:43 | C | LFG | NA X | | | |
| COMMENTS | | | | | | | | | | | | |
| AUTHORIZATION TO PERFORM WORK: Dave Penoyer | COMPANY: Republic Services | | | | | | | | | | | |
| SAMPLED BY: Anthony Kimutis | COMPANY: Republic Services | DATE/TIME/ <u>7/17/18 - 7/17/18</u> | | | | | | | | | | |
| RELINQUISHED BY: <u>John Soto</u> | DATE/TIME <u>7/17/18</u> | RECEIVED BY | DATE/TIME | | | | | | | | | |
| RELINQUISHED BY: <u>Reddy Exx</u> | DATE/TIME | RECEIVED BY <u>Dave</u> | DATE/TIME <u>7/18/18 10:41</u> | | | | | | | | | |
| RELINQUISHED BY: | DATE/TIME | RECEIVED BY | DATE/TIME | | | | | | | | | |
| METHOD OF TRANSPORT (circle one): | Walk-In | FedEx | UPS | Courier | ATL | Other | | | | | | |
| Preservation: H=HCl N=None / Container: B=Bag C=Can V=VOA O=Other Rev. 03 - 5/7/09 | | | | | | | | | | | | |
| DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy | | | | | | | | | | | | |



TECHNOLOGY

Laboratories, Inc.

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

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

CHAIN OF CUSTODY RECORD

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

| CHAIN OF CUSTODY RECORD | | | | | | | | | | | | |
|--|--------------------------------|----------------------------|-----------------------|---------------------|-----------------------------------|----------------------------------|-------------------------------------|---|------|-----|--------------------|--|
| | | | | DELIVERABLES | | | | PAGE: | | | | |
| | | | | TURNAROUND TIME | | | | 15 | | OF | | |
| | | | | Standard | <input type="checkbox"/> 48 hours | <input type="checkbox"/> EDD | <input checked="" type="checkbox"/> | Condition upon receipt. | | | | |
| | | | | Same Day | <input type="checkbox"/> 72 hours | <input type="checkbox"/> EDF | <input type="checkbox"/> | Sealed Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | |
| | | | | 24 hours | <input type="checkbox"/> 96 hours | <input type="checkbox"/> Level 3 | <input type="checkbox"/> | Intact Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | |
| | | | | Other: <u>5 Day</u> | <input type="checkbox"/> 96 hours | <input type="checkbox"/> Level 4 | <input type="checkbox"/> | Chilled _____ deg C | | | | |
| ANALYSIS REQUEST | | | | | | | | | | | | |
| IN INITIAL PRESS | | | | | | | | | | | | |
| D1946 + CO, H2 | | | | | | | | | | | | |
| BILLING | | | | | | | | | | | | |
| P.O. No.: | | PO7112802 | | | | | | | | | | |
| Bill to: | | Republic Services | | | | | | | | | | |
| Attn: | | Mike Lambrich | | | | | | | | | | |
| 13570 St. Charles Rock Rd. | | | | | | | | | | | | |
| Bridgeton, MO 63044 | | | | | | | | | | | | |
| 13570 St. Charles Rock Rd. | | | | | | | | | | | | |
| Bridgeton, MO 63044 | | | | | | | | | | | | |
| LAB USE ONLY | | | | | | | | | | | | |
| Cannister Pressure ("hg) | | | SAMPLE IDENTIFICATION | | | SAMPLE DATE | | | TIME | | | |
| Cannister ID | Sample Start | Sample End | | | | Date | Container Type | Preservation Matrix | Time | Day | Month | |
| J071801-135 | 3440 | -20.1 | -5 | GEW 88 | | 7/17/2018 | 8:52 | C | LFG | NA | X | |
| -136 | A8064 | -20.1 | -5 | GEW 127 | | 7/17/2018 | 9:06 | C | LFG | NA | X | |
| -137 | 6143 | -20 | -5 | GEW 130 | | 7/17/2018 | 9:15 | C | LFG | NA | X | |
| -138 | R1369 | -20.2 | -5 | GEW 131 | | 7/17/2018 | 9:27 | C | LFG | NA | X | |
| -139 | R2488 | -20.1 | -5 | GEW 120 | | 7/17/2018 | 9:43 | C | LFG | NA | X | |
| COMMENTS | | | | | | | | | | | | |
| AUTHORIZATION TO PERFORM WORK: Dave Penoyer | | COMPANY: Republic Services | | | | | | | | | | |
| SAMPLED BY: Anthony Kimutis | COMPANY: Republic Services | | | | | | | | | | DATE/TIME: 7/17/18 | |
| RELINQUISHED BY: <u>John S. S.</u> | RECEIVED BY: <u>John S. S.</u> | | | | | | | | | | DATE/TIME: 7/17/18 | |
| RELINQUISHED BY: <u>TSAI, S.Y.</u> | RECEIVED BY: <u>TSAI, S.Y.</u> | | | | | | | | | | DATE/TIME: 7/17/18 | |
| RELINQUISHED BY: <u>TSAI, S.Y.</u> | RECEIVED BY: <u>TSAI, S.Y.</u> | | | | | | | | | | DATE/TIME: 7/17/18 | |
| METHOD OF TRANSPORT (circle one): Walk-In UPS Courier ATLi Other _____ | | | | | | | | | | | | |

16 of 61
J071801

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

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

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

| ASTM D1946 | | | | | | | | | |
|---------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|--------|
| Lab No.: | J071801-01 | | J071801-02 | | J071801-03 | | J071801-04 | | |
| Client Sample I.D.: | GIW 6 | | GIW 7 | | GIW 8 | | GEW 38 | | |
| Date/Time Sampled: | 7/3/18 8:23 | | 7/3/18 8:34 | | 7/3/18 8:44 | | 7/3/18 8:53 | | |
| Date/Time Analyzed: | 7/20/18 11:46 | | 7/20/18 12:01 | | 7/20/18 12:16 | | 7/20/18 12:30 | | |
| QC Batch No.: | 180720GC8A1 | | 180720GC8A1 | | 180720GC8A1 | | 180720GC8A1 | | |
| Analyst Initials: | AS | | AS | | AS | | AS | | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | | |
| ANALYTE | Result % v/v | RL % v/v | |
| Hydrogen | 11 | 3.4 | 5.9 | 3.4 | 0.34 | d | 0.034 | 22 | 3.4 |
| Carbon Dioxide | 41 | 0.034 | 53 | 0.034 | 49 | | 0.034 | 35 | 0.034 |
| Oxygen/Argon | ND | 1.7 | ND | 1.7 | ND | | 1.7 | 7.5 | 1.7 |
| Nitrogen | 19 | 3.4 | 4.2 | 3.4 | 6.4 | | 3.4 | 26 | 3.4 |
| Methane | 27 | 0.0034 | 35 | 0.0034 | 43 | | 0.0034 | 8.4 | 0.0034 |
| Carbon Monoxide | 0.016 | 0.0034 | 0.026 | 0.0034 | 0.0058 | | 0.0034 | 0.091 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC Batch: 180724GC8A1

Reviewed/Approved By: _____

Mark Johnson
Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

| ASTM D1946 | | | | | | | | | |
|---------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|--------|
| Lab No.: | J071801-05 | | J071801-06 | | J071801-07 | | J071801-08 | | |
| Client Sample I.D.: | GIW 9 | | GEW 109 | | GEW 39 | | GEW 56R | | |
| Date/Time Sampled: | 7/3/18 9:56 | | 7/3/18 10:06 | | 7/3/18 10:16 | | 7/3/18 10:34 | | |
| Date/Time Analyzed: | 7/20/18 12:45 | | 7/20/18 12:59 | | 7/20/18 13:14 | | 7/20/18 13:29 | | |
| QC Batch No.: | 180720GC8A1 | | 180720GC8A1 | | 180720GC8A1 | | 180720GC8A1 | | |
| Analyst Initials: | AS | | AS | | AS | | AS | | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | | |
| ANALYTE | Result % v/v | RL % v/v | |
| Hydrogen | 5.5 | 3.4 | 10 | 3.4 | ND | d | 0.034 | 16 | 3.4 |
| Carbon Dioxide | 24 | 0.034 | 39 | 0.034 | 38 | | 0.034 | 45 | 0.034 |
| Oxygen/Argon | 4.3 | 1.7 | ND | 1.7 | ND | | 1.7 | ND | 1.7 |
| Nitrogen | 59 | 3.4 | 20 | 3.4 | 28 | | 3.4 | ND | 3.4 |
| Methane | 7.8 | 0.0034 | 30 | 0.0034 | 33 | | 0.0034 | 37 | 0.0034 |
| Carbon Monoxide | 0.0089 | 0.0034 | 0.028 | 0.0034 | ND | | 0.0034 | 0.034 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC Batch: 180724GC8A1

Reviewed/Approved By: _____


Mark Johnson
Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-09 | J071801-10 | | J071801-11 | | J071801-12 | | |
|----------------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Client Sample I.D.: | GIW 11 | | GIW 12 | | GIW 13 | | GIW 1 | |
| Date/Time Sampled: | 7/3/18 10:44 | | 7/3/18 13:28 | | 7/3/18 13:38 | | 7/3/18 14:11 | |
| Date/Time Analyzed: | 7/20/18 13:44 | | 7/20/18 13:58 | | 7/20/18 14:13 | | 7/20/18 14:27 | |
| QC Batch No.: | 180720GC8A1 | | 180720GC8A1 | | 180720GC8A1 | | 180720GC8A1 | |
| Analyst Initials: | AS | | AS | | AS | | AS | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.5 | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 11 | 3.4 | 27 | 3.4 | 13 | 3.4 | 22 | 3.5 |
| Carbon Dioxide | 40 | 0.034 | 53 | 0.034 | 56 | 0.034 | 54 | 0.035 |
| Oxygen/Argon | ND | 1.7 | ND | 1.7 | ND | 1.7 | 2.4 | 1.7 |
| Nitrogen | 28 | 3.4 | 9.1 | 3.4 | ND | 3.4 | 13 | 3.5 |
| Methane | 20 | 0.0034 | 9.3 | 0.0034 | 27 | 0.0034 | 7.0 | 0.0035 |
| Carbon Monoxide | 0.038 | 0.0034 | 0.13 | 0.0034 | 0.039 | 0.0034 | 0.099 | 0.0035 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager
Date 7/25/18

The cover letter is an integral part of this analytical report

**AirTECHNOLOGY Laboratories, Inc.**

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-13 | J071801-14 | | J071801-15 | | J071801-16 | | |
|----------------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Client Sample I.D.: | GIW 2 | | GIW 3 | | GIW 4 | | GIW 10 | |
| Date/Time Sampled: | 7/3/18 14:23 | | 7/3/18 14:33 | | 7/3/18 14:42 | | 7/5/18 8:38 | |
| Date/Time Analyzed: | 7/20/18 17:21 | | 7/20/18 17:36 | | 7/20/18 17:54 | | 7/20/18 18:09 | |
| QC Batch No.: | 180720GC8A2 | | 180720GC8A2 | | 180720GC8A2 | | 180720GC8A2 | |
| Analyst Initials: | MJ | | MJ | | MJ | | MJ | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 7.9 | 3.4 | 19 | 3.4 | 38 | 3.4 | 16 | 3.4 |
| Carbon Dioxide | 26 | 0.034 | 46 | 0.034 | 52 | 0.034 | 34 | 0.034 |
| Oxygen/Argon | 10 | 1.7 | 3.4 | 1.7 | ND | 1.7 | ND | 1.7 |
| Nitrogen | 52 | 3.4 | 20 | 3.4 | 5.0 | 3.4 | 38 | 3.4 |
| Methane | 3.6 | 0.0034 | 9.9 | 0.0034 | 2.5 | 0.0034 | 11 | 0.0034 |
| Carbon Monoxide | 0.051 | 0.0034 | 0.078 | 0.0034 | 0.17 | 0.0034 | 0.042 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


Mark Johnson
Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

| ASTM D1946 | | | | | | | | |
|---------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Lab No.: | J071801-17 | | J071801-18 | | J071801-19 | | J071801-20 | |
| Client Sample I.D.: | GIW 5 | | GEW 160 | | GEW 161 | | GEW 91 | |
| Date/Time Sampled: | 7/5/18 8:49 | | 7/5/18 9:43 | | 7/5/18 9:53 | | 7/5/18 10:08 | |
| Date/Time Analyzed: | 7/20/18 18:23 | | 7/20/18 18:38 | | 7/20/18 18:52 | | 7/20/18 19:07 | |
| QC Batch No.: | 180720GC8A2 | | 180720GC8A2 | | 180720GC8A2 | | 180720GC8A2 | |
| Analyst Initials: | MJ | | MJ | | MJ | | MJ | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 22 | 3.4 | 40 | 3.4 | 32 | 3.4 | 28 | 3.4 |
| Carbon Dioxide | 20 | 0.034 | 51 | 0.034 | 47 | 0.034 | 35 | 0.034 |
| Oxygen/Argon | 13 | 1.7 | ND | 1.7 | 1.8 | 1.7 | 5.5 | 1.7 |
| Nitrogen | 45 | 3.4 | 4.5 | 3.4 | 13 | 3.4 | 27 | 3.4 |
| Methane | 0.77 | 0.0034 | 1.6 | 0.0034 | 5.0 | 0.0034 | 2.0 | 0.0034 |
| Carbon Monoxide | 0.021 | 0.0034 | 0.21 | 0.0034 | 0.14 | 0.0034 | 0.035 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____



Mark Johnson
Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-21 | J071801-22 | J071801-23 | J071801-24 | | | | |
|---------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|
| Client Sample I.D.: | GEW 154 | GEW 90 | GEW 162 | GEW 149 | | | | |
| Date/Time Sampled: | 7/5/18 10:19 | 7/5/18 11:25 | 7/5/18 11:36 | 7/5/18 11:47 | | | | |
| Date/Time Analyzed: | 7/20/18 19:21 | 7/20/18 19:36 | 7/20/18 19:51 | 7/20/18 20:05 | | | | |
| QC Batch No.: | 180720GC8A2 | 180720GC8A2 | 180720GC8A2 | 180720GC8A2 | | | | |
| Analyst Initials: | MJ | MJ | MJ | MJ | | | | |
| Dilution Factor: | 3.4 | 3.4 | 3.4 | 3.5 | | | | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 0.34 d | 0.034 | 27 | 3.4 | 8.5 | 3.4 | 2.7 d | 0.035 |
| Carbon Dioxide | 9.6 | 0.034 | 43 | 0.034 | 39 | 0.034 | 41 | 0.035 |
| Oxygen/Argon | 13 | 1.7 | ND | 1.7 | 8.5 | 1.7 | ND | 1.7 |
| Nitrogen | 76 | 3.4 | 9.3 | 3.4 | 36 | 3.4 | 40 | 3.5 |
| Methane | 0.81 | 0.0034 | 19 | 0.0034 | 7.2 | 0.0034 | 15 | 0.0035 |
| Carbon Monoxide | ND | 0.0034 | 0.069 | 0.0034 | 0.042 | 0.0034 | 0.015 | 0.0035 |

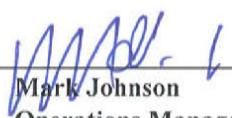
Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC Batch: 180724GC8A1

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager
Date 7/25/18

The cover letter is an integral part of this analytical report

**AirTECHNOLOGY Laboratories, Inc.**

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-25 | J071801-26 | | J071801-27 | | J071801-28 | | |
|----------------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Client Sample I.D.: | GEW 67A | | GEW 86 | | GEW 13A | | GEW 163 | |
| Date/Time Sampled: | 7/5/18 11:59 | | 7/5/18 14:08 | | 7/5/18 14:30 | | 7/9/18 8:54 | |
| Date/Time Analyzed: | 7/20/18 20:20 | | 7/20/18 20:34 | | 7/20/18 20:49 | | 7/20/18 21:04 | |
| QC Batch No.: | 180720GC8A2 | | 180720GC8A2 | | 180720GC8A2 | | 180720GC8A2 | |
| Analyst Initials: | MJ | | MJ | | MJ | | MJ | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 6.4 | 3.4 | 7.0 | 3.4 | 11 | 3.4 | 8.9 | 3.4 |
| Carbon Dioxide | 32 | 0.034 | 41 | 0.034 | 40 | 0.034 | 32 | 0.034 |
| Oxygen/Argon | 2.5 | 1.7 | 1.9 | 1.7 | 5.2 | 1.7 | 7.7 | 1.7 |
| Nitrogen | 52 | 3.4 | 31 | 3.4 | 33 | 3.4 | 43 | 3.4 |
| Methane | 6.4 | 0.0034 | 19 | 0.0034 | 10 | 0.0034 | 8.0 | 0.0034 |
| Carbon Monoxide | 0.0095 | 0.0034 | 0.013 | 0.0034 | 0.045 | 0.0034 | 0.027 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


Mark Johnson
Operations Manager

Date 7/25/18

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AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 07/18/18
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-29 | J071801-30 | | J071801-31 | | J071801-32 | | |
|---------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Client Sample I.D.: | GEW 164 | | GEW 165 | | GEW 166 | | GEW 167 | |
| Date/Time Sampled: | 7/9/18 9:05 | | 7/9/18 9:17 | | 7/9/18 9:28 | | 7/9/18 10:30 | |
| Date/Time Analyzed: | 7/20/18 21:19 | | 7/20/18 21:33 | | 7/20/18 21:48 | | 7/20/18 22:02 | |
| QC Batch No.: | 180720GC8A2 | | 180720GC8A2 | | 180720GC8A2 | | 180720GC8A2 | |
| Analyst Initials: | MJ | | MJ | | MJ | | MJ | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 8.7 | 3.4 | 19 | 3.4 | 36 | 3.4 | 31 | 3.4 |
| Carbon Dioxide | 54 | 0.034 | 54 | 0.034 | 46 | 0.034 | 37 | 0.034 |
| Oxygen/Argon | ND | 1.7 | 3.1 | 1.7 | 3.3 | 1.7 | 6.4 | 1.7 |
| Nitrogen | 10 | 3.4 | 12 | 3.4 | 12 | 3.4 | 25 | 3.4 |
| Methane | 25 | 0.0034 | 11 | 0.0034 | 1.3 | 0.0034 | 0.63 | 0.0034 |
| Carbon Monoxide | 0.049 | 0.0034 | 0.078 | 0.0034 | 0.20 | 0.0034 | 0.16 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 7/26/18

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Air TECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 07/18/18
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-33 | J071801-34 | | J071801-35 | | J071801-36 | | |
|---------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Client Sample I.D.: | GEW 168 | | GEW 169 | | GEW 184 | | GEW 185 | |
| Date/Time Sampled: | 7/9/18 10:44 | | 7/9/18 10:56 | | 7/9/18 11:41 | | 7/9/18 11:52 | |
| Date/Time Analyzed: | 7/20/18 23:59 | | 7/21/18 0:14 | | 7/21/18 0:29 | | 7/21/18 0:43 | |
| QC Batch No.: | 180720GC8A3 | | 180720GC8A3 | | 180720GC8A3 | | 180720GC8A3 | |
| Analyst Initials: | MJ | | MJ | | MJ | | MJ | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 18 | 3.4 | 29 | 3.4 | 5.0 | 3.4 | 18 | 3.4 |
| Carbon Dioxide | 50 | 0.034 | 58 | 0.034 | 49 | 0.034 | 58 | 0.034 |
| Oxygen/Argon | 3.1 | 1.7 | ND | 1.7 | 4.2 | 1.7 | ND | 1.7 |
| Nitrogen | 15 | 3.4 | 5.9 | 3.4 | 20 | 3.4 | 6.1 | 3.4 |
| Methane | 13 | 0.0034 | 5.3 | 0.0034 | 21 | 0.0034 | 15 | 0.0034 |
| Carbon Monoxide | 0.080 | 0.0034 | 0.16 | 0.0034 | 0.020 | 0.0034 | 0.069 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-37 | J071801-38 | | J071801-39 | | J071801-40 | | |
|----------------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Client Sample I.D.: | GEW 182 | | GEW 188 | | GEW 181 | | GEW 180 | |
| Date/Time Sampled: | 7/9/18 13:57 | | 7/9/18 14:19 | | 7/11/18 7:57 | | 7/11/18 8:08 | |
| Date/Time Analyzed: | 7/21/18 0:58 | | 7/21/18 1:12 | | 7/21/18 1:27 | | 7/21/18 1:42 | |
| QC Batch No.: | 180720GC8A3 | | 180720GC8A3 | | 180720GC8A3 | | 180720GC8A3 | |
| Analyst Initials: | MJ | | MJ | | MJ | | MJ | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 9.3 | 3.4 | 6.9 | 3.4 | 11 | 3.4 | 12 | 3.4 |
| Carbon Dioxide | 44 | 0.034 | 18 | 0.034 | 67 | 0.034 | 68 | 0.034 |
| Oxygen/Argon | 4.0 | 1.7 | 8.9 | 1.7 | ND | 1.7 | ND | 1.7 |
| Nitrogen | 18 | 3.4 | 66 | 3.4 | 3.8 | 3.4 | 3.9 | 3.4 |
| Methane | 24 | 0.0034 | 0.45 | 0.0034 | 16 | 0.0034 | 14 | 0.0034 |
| Carbon Monoxide | 0.028 | 0.0034 | 0.027 | 0.0034 | 0.066 | 0.0034 | 0.040 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____



Mark Johnson
Operations Manager

Date 7/25/18

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AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-41 | J071801-42 | J071801-43 | J071801-44 |
|----------------------------|-----------------|--------------|-----------------|---------------|
| Client Sample I.D.: | GEW 179 | GEW 178 | GEW 186 | GEW 187 |
| Date/Time Sampled: | 7/11/18 8:19 | 7/11/18 8:30 | 7/11/18 8:49 | 7/11/18 9:05 |
| Date/Time Analyzed: | 7/21/18 1:57 | 7/21/18 2:11 | 7/21/18 13:23 | 7/21/18 13:37 |
| QC Batch No.: | 180720GC8A3 | 180720GC8A3 | 180720GC8A3 | 180720GC8A3 |
| Analyst Initials: | MJ | MJ | MJ | MJ |
| Dilution Factor: | 3.4 | 3.4 | 3.4 | 3.4 |
| ANALYTE | Result % v/v | RL % v/v | Result % v/v | RL % v/v |
| Hydrogen | 4.7 | 3.4 | 5.8 | 3.4 |
| Carbon Dioxide | 54 | 0.034 | 64 | 0.034 |
| Oxygen/Argon | 2.6 | 1.7 | ND | 1.7 |
| Nitrogen | 22 | 3.4 | ND | 3.4 |
| Methane | 16 | 0.0034 | 26 | 0.0034 |
| Carbon Monoxide | 0.013 | 0.0034 | 0.017 | 0.0034 |
| | | | | |
| | | | | |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____



Mark Johnson
Operations Manager

Date _____

7/25/18

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AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-45 | J071801-46 | J071801-47 | J071801-48 | | | | |
|----------------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|
| Client Sample I.D.: | GEW 148 | GEW 87 | GEW 15 | GEW 113 | | | | |
| Date/Time Sampled: | 7/11/18 9:53 | 7/11/18 10:04 | 7/11/18 10:38 | 7/11/18 10:50 | | | | |
| Date/Time Analyzed: | 7/21/18 13:52 | 7/21/18 14:06 | 7/21/18 14:21 | 7/21/18 14:35 | | | | |
| QC Batch No.: | 180720GC8A3 | 180720GC8A3 | 180720GC8A3 | 180720GC8A3 | | | | |
| Analyst Initials: | MJ | MJ | MJ | MJ | | | | |
| Dilution Factor: | 3.4 | 3.4 | 3.4 | 3.4 | | | | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 28 | 3.4 | 5.6 | 3.4 | 50 | 3.4 | 23 | 3.4 |
| Carbon Dioxide | 43 | 0.034 | 24 | 0.034 | 46 | 0.034 | 51 | 0.034 |
| Oxygen/Argon | 3.9 | 1.7 | 4.6 | 1.7 | ND | 1.7 | ND | 1.7 |
| Nitrogen | 16 | 3.4 | 61 | 3.4 | ND | 3.4 | 13 | 3.4 |
| Methane | 7.4 | 0.0034 | 4.0 | 0.0034 | 0.43 | 0.0034 | 11 | 0.0034 |
| Carbon Monoxide | 0.14 | 0.0034 | 0.018 | 0.0034 | 0.24 | 0.0034 | 0.11 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager
Date 7/25/18

The cover letter is an integral part of this analytical report

**AirTECHNOLOGY Laboratories, Inc.**

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

| ASTM D1946 | | | | | | | | | |
|---------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|--------|
| Lab No.: | J071801-49 | | J071801-50 | | J071801-51 | | J071801-52 | | |
| Client Sample I.D.: | GEW 16R | | GEW 146 | | GEW 147 | | GEW 136 | | |
| Date/Time Sampled: | 7/11/18 11:07 | | 7/11/18 11:37 | | 7/11/18 13:59 | | 7/11/18 14:12 | | |
| Date/Time Analyzed: | 7/21/18 14:50 | | 7/21/18 15:04 | | 7/21/18 15:19 | | 7/21/18 15:33 | | |
| QC Batch No.: | 180720GC8A3 | | 180720GC8A3 | | 180720GC8A3 | | 180720GC8A3 | | |
| Analyst Initials: | MJ | | MJ | | MJ | | MJ | | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | | |
| ANALYTE | Result % v/v | RL % v/v | |
| Hydrogen | 25 | 3.4 | 0.59 | d | 0.034 | 24 | 3.4 | 15 | 3.4 |
| Carbon Dioxide | 43 | 0.034 | 7.2 | | 0.034 | 42 | 0.034 | 20 | 0.034 |
| Oxygen/Argon | ND | 1.7 | 15 | | 1.7 | ND | 1.7 | 11 | 1.7 |
| Nitrogen | 24 | 3.4 | 74 | | 3.4 | 20 | 3.4 | 48 | 3.4 |
| Methane | 6.3 | 0.0034 | 2.7 | | 0.0034 | 12 | 0.0034 | 6.1 | 0.0034 |
| Carbon Monoxide | 0.10 | 0.0034 | ND | | 0.0034 | 0.075 | 0.0034 | 0.033 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC Batch: 180724GC8A1

Reviewed/Approved By: _____



Mark Johnson
Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

| ASTM D1946 | | | | | | | | | |
|---------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|--------|
| Lab No.: | J071801-53 | | J071801-54 | | J071801-55 | | J071801-56 | | |
| Client Sample I.D.: | GEW 137 | | GEW 138 | | GEW 78R | | GEW 155 | | |
| Date/Time Sampled: | 7/11/18 14:23 | | 7/12/18 10:00 | | 7/12/18 10:13 | | 7/12/18 10:55 | | |
| Date/Time Analyzed: | 7/21/18 22:44 | | 7/21/18 22:58 | | 7/21/18 23:13 | | 7/21/18 23:27 | | |
| QC Batch No.: | 180721GC8A1 | | 180721GC8A1 | | 180721GC8A1 | | 180721GC8A1 | | |
| Analyst Initials: | MJ | | MJ | | MJ | | MJ | | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | | |
| ANALYTE | Result % v/v | RL % v/v | |
| Hydrogen | 0.49 | d | 0.034 | 8.8 | 3.4 | 15 | 3.4 | 4.7 | 3.4 |
| Carbon Dioxide | 31 | | 0.034 | 24 | 0.034 | 31 | 0.034 | 19 | 0.034 |
| Oxygen/Argon | 3.1 | | 1.7 | 5.2 | 1.7 | ND | 1.7 | 5.9 | 1.7 |
| Nitrogen | 42 | | 3.4 | 57 | 3.4 | 48 | 3.4 | 70 | 3.4 |
| Methane | 23 | | 0.0034 | 4.8 | 0.0034 | 4.2 | 0.0034 | 0.58 | 0.0034 |
| Carbon Monoxide | 0.0043 | | 0.0034 | 0.043 | 0.0034 | 0.049 | 0.0034 | 0.013 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC Batch: 180724GC8A1

Reviewed/Approved By: _____

Mark Johnson
Operations Manager

Date 7/25/18

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AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 07/18/18
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-57 | J071801-58 | J071801-59 | J071801-60 |
|---------------------|-----------------|---------------|-----------------|---------------|
| Client Sample I.D.: | GEW 135 | GEW 134 | GEW 132 | GEW 82R |
| Date/Time Sampled: | 7/12/18 11:29 | 7/12/18 11:42 | 7/12/18 13:46 | 7/12/18 13:58 |
| Date/Time Analyzed: | 7/21/18 23:42 | 7/21/18 23:57 | 7/22/18 0:11 | 7/22/18 0:26 |
| QC Batch No.: | 180721GC8A1 | 180721GC8A1 | 180721GC8A1 | 180721GC8A1 |
| Analyst Initials: | MJ | MJ | MJ | MJ |
| Dilution Factor: | 3.4 | 3.4 | 3.4 | 3.4 |
| ANALYTE | Result % v/v | RL % v/v | Result % v/v | RL % v/v |
| Hydrogen | 22 | 3.4 | 18 | 3.4 |
| Carbon Dioxide | 41 | 0.034 | 43 | 0.034 |
| Oxygen/Argon | 2.5 | 1.7 | 1.8 | 1.7 |
| Nitrogen | 28 | 3.4 | 23 | 3.4 |
| Methane | 6.6 | 0.0034 | 14 | 0.0034 |
| Carbon Monoxide | 0.084 | 0.0034 | 0.068 | 0.0034 |
| | | | | |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 7/25/18

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Air TECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

| ASTM D1946 | | | | | | | | | |
|---------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----|
| Lab No.: | J071801-61 | | J071801-62 | | J071801-63 | | J071801-64 | | |
| Client Sample I.D.: | GEW 81 | | GEW 117 | | GEW 116 | | GEW 133 | | |
| Date/Time Sampled: | 7/12/18 14:14 | | 7/13/18 8:14 | | 7/13/18 8:26 | | 7/13/18 8:37 | | |
| Date/Time Analyzed: | 7/22/18 0:40 | | 7/22/18 0:55 | | 7/22/18 1:10 | | 7/22/18 1:24 | | |
| QC Batch No.: | 180721GC8A1 | | 180721GC8A1 | | 180721GC8A1 | | 180721GC8A1 | | |
| Analyst Initials: | MJ | | MJ | | MJ | | MJ | | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | | |
| ANALYTE | Result % v/v | RL % v/v | |
| Hydrogen | 20 | 3.4 | 0.080 | d | 0.034 | 22 | 3.4 | 21 | 3.4 |
| Carbon Dioxide | 22 | 0.034 | 52 | 0.034 | 58 | 0.034 | 48 | 0.034 | |
| Oxygen/Argon | 12 | 1.7 | ND | 1.7 | ND | 1.7 | ND | 1.7 | |
| Nitrogen | 44 | 3.4 | ND | 3.4 | 4.9 | 3.4 | 17 | 3.4 | |
| Methane | 0.29 | 0.0034 | 45 | 0.0034 | 13 | 0.0034 | 11 | 0.0034 | |
| Carbon Monoxide | 0.061 | 0.0034 | 0.0065 | 0.0034 | 0.075 | 0.0034 | 0.088 | 0.0034 | |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC Batch: 180724GC8A1

Reviewed/Approved By: _____

Mark Johnson
Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

| ASTM D1946 | | | | | | | | | |
|---------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|--------|
| Lab No.: | J071801-65 | | J071801-66 | | J071801-67 | | J071801-68 | | |
| Client Sample I.D.: | GEW 121 | | GEW 123 | | GEW 124 | | GEW 122 | | |
| Date/Time Sampled: | 7/13/18 9:36 | | 7/13/18 9:47 | | 7/13/18 10:43 | | 7/13/18 11:12 | | |
| Date/Time Analyzed: | 7/22/18 1:39 | | 7/22/18 1:54 | | 7/22/18 2:08 | | 7/22/18 2:23 | | |
| QC Batch No.: | 180721GC8A1 | | 180721GC8A1 | | 180721GC8A1 | | 180721GC8A1 | | |
| Analyst Initials: | MJ | | MJ | | MJ | | MJ | | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | | |
| ANALYTE | Result % v/v | RL % v/v | |
| Hydrogen | 17 | 3.4 | 11 | 3.4 | ND | d | 0.034 | 15 | 3.4 |
| Carbon Dioxide | 42 | 0.034 | 45 | 0.034 | 24 | | 0.034 | 36 | 0.034 |
| Oxygen/Argon | 2.4 | 1.7 | ND | 1.7 | 8.9 | | 1.7 | ND | 1.7 |
| Nitrogen | 31 | 3.4 | 29 | 3.4 | 31 | | 3.4 | 35 | 3.4 |
| Methane | 6.9 | 0.0034 | 13 | 0.0034 | 35 | | 0.0034 | 12 | 0.0034 |
| Carbon Monoxide | 0.078 | 0.0034 | 0.048 | 0.0034 | ND | | 0.0034 | 0.11 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC Batch: 180724GC8A1

Reviewed/Approved By: _____


Mark Johnson
Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 07/18/18
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-69 | J071801-70 | | J071801-71 | | J071801-72 | | |
|---------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Client Sample I.D.: | GEW 125 | | GEW 128 | | GEW 170 | | GEW 118 | |
| Date/Time Sampled: | 7/13/18 11:33 | | 7/13/18 14:00 | | 7/13/18 14:12 | | 7/17/18 8:59 | |
| Date/Time Analyzed: | 7/22/18 2:38 | | 7/22/18 2:52 | | 7/22/18 3:07 | | 7/22/18 3:22 | |
| QC Batch No.: | 180721GC8A1 | | 180721GC8A1 | | 180721GC8A1 | | 180721GC8A1 | |
| Analyst Initials: | MJ | | MJ | | MJ | | MJ | |
| Dilution Factor: | 3.4 | | 3.5 | | 3.6 | | 3.4 | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 33 | 3.4 | 17 | 3.5 | 23 | 3.6 | 37 | 3.4 |
| Carbon Dioxide | 52 | 0.034 | 54 | 0.035 | 57 | 0.036 | 55 | 0.034 |
| Oxygen/Argon | ND | 1.7 | 3.5 | 1.7 | ND | 1.8 | ND | 1.7 |
| Nitrogen | 9.8 | 3.4 | 15 | 3.5 | 7.3 | 3.6 | 3.9 | 3.4 |
| Methane | 2.7 | 0.0034 | 9.5 | 0.0035 | 10.0 | 0.0036 | 1.6 | 0.0034 |
| Carbon Monoxide | 0.16 | 0.0034 | 0.17 | 0.0035 | 0.17 | 0.0036 | 0.098 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager
Date 7/25/18

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-73 | J071801-74 | | J071801-75 | | J071801-76 | | | |
|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|-----|
| Client Sample I.D.: | GEW 18B | GEW 126 | | GEW 10 | | GEW 110 | | | |
| Date/Time Sampled: | 7/17/18 9:11 | 7/17/18 9:38 | | 7/2/18 14:38 | | 7/2/18 14:46 | | | |
| Date/Time Analyzed: | 7/22/18 5:18 | 7/22/18 5:33 | | 7/22/18 5:48 | | 7/22/18 6:02 | | | |
| QC Batch No.: | 180722GC8A1 | 180722GC8A1 | | 180722GC8A1 | | 180722GC8A1 | | | |
| Analyst Initials: | MJ | | MJ | | MJ | | MJ | | |
| 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 | 37 | 3.4 | 13 | 3.4 | 0.46 | d | 0.034 | 18 | 3.4 |
| Carbon Dioxide | 40 | 0.034 | 51 | 0.034 | 41 | 0.034 | 40 | 0.034 | |
| Oxygen/Argon | 4.1 | 1.7 | ND | 1.7 | ND | 1.7 | 3.8 | 1.7 | |
| Nitrogen | 17 | 3.4 | 15 | 3.4 | 3.5 | 3.4 | 17 | 3.4 | |
| Methane | 0.63 | 0.0034 | 19 | 0.0034 | 54 | 0.0034 | 22 | 0.0034 | |
| Carbon Monoxide | 0.14 | 0.0034 | 0.087 | 0.0034 | ND | 0.0034 | 0.052 | 0.0034 | |

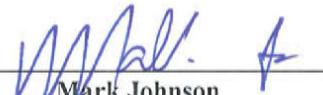
Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC Batch: 180724GC8A1

Reviewed/Approved By: _____



Mark Johnson
Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-77 | J071801-78 | J071801-79 | J071801-80 |
|----------------------------|-----------------|--------------|-----------------|---------------|
| Client Sample I.D.: | GEW 50 | GEW 52 | GEW 7 | GEW 8 |
| Date/Time Sampled: | 7/3/18 8:11 | 7/3/18 8:21 | 7/3/18 8:44 | 7/3/18 8:54 |
| Date/Time Analyzed: | 7/22/18 6:17 | 7/22/18 6:31 | 7/22/18 6:46 | 7/22/18 13:44 |
| QC Batch No.: | 180722GC8A1 | 180722GC8A1 | 180722GC8A1 | 180722GC8A1 |
| Analyst Initials: | MJ | MJ | MJ | MJ |
| Dilution Factor: | 3.4 | 3.4 | 3.4 | 3.4 |
| ANALYTE | Result % v/v | RL % v/v | Result % v/v | RL % v/v |
| Hydrogen | 0.043 | d | 0.034 | ND |
| Carbon Dioxide | 38 | 0.034 | 36 | 0.034 |
| Oxygen/Argon | ND | 1.7 | ND | 1.7 |
| Nitrogen | ND | 3.4 | 8.0 | 3.4 |
| Methane | 59 | 0.0034 | 55 | 0.0034 |
| Carbon Monoxide | ND | 0.0034 | ND | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC Batch: 180724GC8A1

Reviewed/Approved By: _____



Mark Johnson
Operations Manager

Date _____



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AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 07/18/18
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-81 | J071801-82 | J071801-83 | J071801-84 |
|---------------------|---------------|---------------|---------------|---------------|
| Client Sample I.D.: | GEW 9 | GEW 51 | GEW 53 | GEW 54 |
| Date/Time Sampled: | 7/3/18 9:04 | 7/3/18 9:34 | 7/3/18 9:48 | 7/3/18 10:03 |
| Date/Time Analyzed: | 7/22/18 13:59 | 7/22/18 14:13 | 7/22/18 14:34 | 7/22/18 14:48 |
| QC Batch No.: | 180722GC8A1 | 180722GC8A1 | 180722GC8A1 | 180722GC8A1 |
| Analyst Initials: | MJ | MJ | MJ | MJ |
| Dilution Factor: | 3.4 | 3.4 | 3.4 | 3.4 |
| ANALYTE | Result % v/v | RL % v/v | Result % v/v | RL % v/v |
| Hydrogen | 0.67 d | 0.034 | 0.99 d | 0.034 |
| Carbon Dioxide | 40 | 0.034 | 40 | 0.034 |
| Oxygen/Argon | ND | 1.7 | ND | 1.7 |
| Nitrogen | 4.9 | 3.4 | ND | 3.4 |
| Methane | 53 | 0.0034 | 56 | 0.0034 |
| Carbon Monoxide | ND | 0.0034 | ND | 0.0034 |
| | | | 0.0060 | 0.0034 |
| | | | ND | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC Batch: 180724GC8A1

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager
Date 7/25/18

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AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-85 | J071801-86 | | J071801-87 | | J071801-88 | | |
|---------------------|---------------|---------------|--------------|---------------|--------------|---------------|--------------|----------|
| Client Sample I.D.: | GEW 55 | GEW 40 | | GEW 41R | | GEW 42R | | |
| Date/Time Sampled: | 7/3/18 10:16 | 7/3/18 10:26 | | 7/3/18 11:23 | | 7/3/18 11:34 | | |
| Date/Time Analyzed: | 7/22/18 15:03 | 7/22/18 15:18 | | 7/22/18 15:32 | | 7/22/18 15:47 | | |
| QC Batch No.: | 180722GC8A1 | 180722GC8A1 | | 180722GC8A1 | | 180722GC8A1 | | |
| Analyst Initials: | MJ | MJ | | MJ | | MJ | | |
| 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 | 2.5 d | 0.034 | ND d | 0.034 | ND d | 0.034 | ND d | 0.034 |
| Carbon Dioxide | 41 | 0.034 | 35 | 0.034 | 36 | 0.034 | 38 | 0.034 |
| Oxygen/Argon | ND | 1.7 | ND | 1.7 | ND | 1.7 | ND | 1.7 |
| Nitrogen | ND | 3.4 | 6.0 | 3.4 | 3.6 | 3.4 | 5.6 | 3.4 |
| Methane | 52 | 0.0034 | 57 | 0.0034 | 59 | 0.0034 | 55 | 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 = Reported from a secondary analysis. QC Batch: 180724GC8A1

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager
Date 7/25/18

The cover letter is an integral part of this analytical report

**AirTECHNOLOGY Laboratories, Inc.**

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-89 | J071801-90 | | J071801-91 | | J071801-92 | | |
|----------------------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|-------------|
| Client Sample I.D.: | GEW 43R | GEW 44 | | GEW 45R | | GEW 46R | | |
| Date/Time Sampled: | 7/5/18 8:19 | 7/5/18 8:29 | | 7/5/18 8:42 | | 7/5/18 8:52 | | |
| Date/Time Analyzed: | 7/22/18 16:01 | 7/22/18 16:16 | | 7/22/18 16:30 | | 7/22/18 16:45 | | |
| QC Batch No.: | 180722GC8A1 | 180722GC8A1 | | 180722GC8A1 | | 180722GC8A1 | | |
| Analyst Initials: | MJ | MJ | | MJ | | MJ | | |
| 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 | 0.19 d | 0.034 | ND d | 0.034 | ND d | 0.034 | ND d | 0.034 |
| Carbon Dioxide | 41 | 0.034 | 35 | 0.034 | 39 | 0.034 | 37 | 0.034 |
| Oxygen/Argon | ND | 1.7 | ND | 1.7 | ND | 1.7 | ND | 1.7 |
| Nitrogen | ND | 3.4 | 6.8 | 3.4 | 3.9 | 3.4 | 6.1 | 3.4 |
| Methane | 56 | 0.0034 | 56 | 0.0034 | 56 | 0.0034 | 56 | 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 = Reported from a secondary analysis. QC Batch: 180724GC8A2

Reviewed/Approved By: _____


 Mark Johnson
Date 7/25/18

Operations Manager

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 07/18/18
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-93 | J071801-94 | | J071801-95 | | J071801-96 | | | | | | |
|---------------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|-------------|--------|-------|---|--------|
| Client Sample I.D.: | GEW 2S | GEW 2 | | GEW 3 | | GEW 4 | | | | | | |
| Date/Time Sampled: | 7/5/18 9:15 | 7/5/18 10:01 | | 7/5/18 10:12 | | 7/5/18 10:22 | | | | | | |
| Date/Time Analyzed: | 7/22/18 18:44 | 7/22/18 18:58 | | 7/22/18 19:13 | | 7/22/18 19:28 | | | | | | |
| QC Batch No.: | 180722GC8A2 | 180722GC8A2 | | 180722GC8A2 | | 180722GC8A2 | | | | | | |
| Analyst Initials: | MJ | MJ | | MJ | | MJ | | | | | | |
| 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 | ND | d | 0.034 | 0.052 | d | 0.034 | 0.077 | d | 0.034 |
| Carbon Dioxide | 34 | | 0.034 | 42 | | 0.034 | 40 | | 0.034 | 39 | | 0.034 |
| Oxygen/Argon | 2.1 | | 1.7 | ND | | 1.7 | ND | | 1.7 | ND | | 1.7 |
| Nitrogen | 7.4 | | 3.4 | ND | | 3.4 | 4.9 | | 3.4 | 4.7 | | 3.4 |
| Methane | 57 | | 0.0034 | 56 | | 0.0034 | 54 | | 0.0034 | 56 | | 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 = Reported from a secondary analysis. QC Batch: 180724GC8A2

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 7/25/18

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AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-97 | J071801-98 | J071801-99 | J071801-100 | | | | |
|----------------------------|------------------------|--------------------|------------------------|--------------------|------------------------|--------------------|------------------------|--------------------|
| Client Sample I.D.: | GEW 5 | GEW 47R | GEW 48 | GEW 49 | | | | |
| Date/Time Sampled: | 7/5/18 10:59 | 7/5/18 11:11 | 7/5/18 11:25 | 7/5/18 11:37 | | | | |
| Date/Time Analyzed: | 7/22/18 19:42 | 7/22/18 19:57 | 7/22/18 20:12 | 7/22/18 20:26 | | | | |
| QC Batch No.: | 180722GC8A2 | 180722GC8A2 | 180722GC8A2 | 180722GC8A2 | | | | |
| Analyst Initials: | MJ | MJ | MJ | MJ | | | | |
| Dilution Factor: | 3.2 | 3.4 | 3.4 | 3.4 | | | | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | ND d | 0.032 | 0.058 d | 0.034 | ND d | 0.034 | ND d | 0.034 |
| Carbon Dioxide | 32 | 0.032 | 39 | 0.034 | 38 | 0.034 | 37 | 0.034 |
| Oxygen/Argon | 2.2 | 1.6 | ND | 1.7 | ND | 1.7 | ND | 1.7 |
| Nitrogen | 14 | 3.2 | 4.8 | 3.4 | 3.9 | 3.4 | 5.7 | 3.4 |
| Methane | 52 | 0.0032 | 55 | 0.0034 | 57 | 0.0034 | 56 | 0.0034 |
| Carbon Monoxide | ND | 0.0032 | ND | 0.0034 | ND | 0.0034 | ND | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC Batch: 180724GC8A2

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager
Date 7/25/18

The cover letter is an integral part of this analytical report

**AirTECHNOLOGY Laboratories, Inc.**

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-101 | | J071801-102 | | J071801-103 | | J071801-104 | |
|----------------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Client Sample I.D.: | GEW 6 | | GEW 159 | | GEW 108 | | GEW 153 | |
| Date/Time Sampled: | 7/5/18 13:33 | | 7/11/18 8:27 | | 7/11/18 8:37 | | 7/11/18 8:47 | |
| Date/Time Analyzed: | 7/22/18 20:41 | | 7/22/18 20:56 | | 7/22/18 21:10 | | 7/22/18 21:25 | |
| QC Batch No.: | 180722GC8A2 | | 180722GC8A2 | | 180722GC8A2 | | 180722GC8A2 | |
| Analyst Initials: | MJ | | MJ | | MJ | | MJ | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | ND | d | 0.034 | 4.5 | 3.4 | 1.3 | d | 0.034 |
| Carbon Dioxide | 37 | | 0.034 | 35 | 0.034 | 48 | | 0.034 |
| Oxygen/Argon | ND | | 1.7 | 2.9 | 1.7 | ND | | 1.7 |
| Nitrogen | 4.9 | | 3.4 | 20 | 3.4 | 10 | | 3.4 |
| Methane | 58 | | 0.0034 | 37 | 0.0034 | 40 | | 0.0034 |
| Carbon Monoxide | ND | | 0.0034 | 0.0086 | 0.0034 | 0.0047 | | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC Batch: 180724GC8A2

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager
Date 7/25/18

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**AirTECHNOLOGY Laboratories, Inc.**

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-105 | J071801-106 | | J071801-107 | | J071801-108 | | |
|----------------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Client Sample I.D.: | GEW 59R | | GEW 107 | | GEW 152 | | GEW 58A | |
| Date/Time Sampled: | 7/11/18 8:58 | | 7/11/18 9:10 | | 7/11/18 9:20 | | 7/11/18 9:35 | |
| Date/Time Analyzed: | 7/22/18 21:40 | | 7/22/18 21:54 | | 7/22/18 22:09 | | 7/22/18 22:24 | |
| QC Batch No.: | 180722GC8A2 | | 180722GC8A2 | | 180722GC8A2 | | 180722GC8A2 | |
| Analyst Initials: | MJ | | MJ | | MJ | | MJ | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 31 | 3.4 | 29 | 3.4 | 24 | 3.4 | 30 | 3.4 |
| Carbon Dioxide | 40 | 0.034 | 55 | 0.034 | 44 | 0.034 | 36 | 0.034 |
| Oxygen/Argon | ND | 1.7 | ND | 1.7 | ND | 1.7 | 4.5 | 1.7 |
| Nitrogen | 6.7 | 3.4 | ND | 3.4 | 5.1 | 3.4 | 25 | 3.4 |
| Methane | 20 | 0.0034 | 13 | 0.0034 | 25 | 0.0034 | 3.9 | 0.0034 |
| Carbon Monoxide | 0.089 | 0.0034 | 0.13 | 0.0034 | 0.10 | 0.0034 | 0.10 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


Mark Johnson
Operations Manager

Date 7/25/18

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AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-109 | J071801-110 | | J071801-111 | | J071801-112 | | |
|----------------------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|-------------|
| Client Sample I.D.: | GEW 58 | GEW 106 | | GEW 158 | | GEW 105 | | |
| Date/Time Sampled: | 7/11/18 9:46 | 7/11/18 10:01 | | 7/11/18 10:12 | | 7/11/18 10:22 | | |
| Date/Time Analyzed: | 7/22/18 22:39 | 7/22/18 22:53 | | 7/22/18 23:08 | | 7/22/18 23:23 | | |
| QC Batch No.: | 180722GC8A2 | 180722GC8A2 | | 180722GC8A2 | | 180722GC8A2 | | |
| Analyst Initials: | MJ | MJ | | MJ | | MJ | | |
| 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 | 12 | 3.4 | 30 | 3.4 | 22 | 3.4 | 17 | 3.4 |
| Carbon Dioxide | 39 | 0.034 | 53 | 0.034 | 53 | 0.034 | 39 | 0.034 |
| Oxygen/Argon | ND | 1.7 | ND | 1.7 | ND | 1.7 | 5.5 | 1.7 |
| Nitrogen | 26 | 3.4 | 6.0 | 3.4 | 5.8 | 3.4 | 23 | 3.4 |
| Methane | 20 | 0.0034 | 7.0 | 0.0034 | 17 | 0.0034 | 14 | 0.0034 |
| Carbon Monoxide | 0.053 | 0.0034 | 0.067 | 0.0034 | 0.062 | 0.0034 | 0.074 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

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Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 7/25/18

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AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

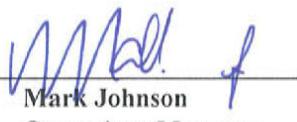
| Lab No.: | J071801-113 | J071801-114 | | J071801-115 | | J071801-116 | | |
|----------------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Client Sample I.D.: | GEW 176 | | GEW 175 | | GEW 150 | | GEW 157 | |
| Date/Time Sampled: | 7/11/18 11:01 | | 7/11/18 11:12 | | 7/11/18 11:24 | | 7/11/18 13:26 | |
| Date/Time Analyzed: | 7/23/18 8:17 | | 7/23/18 8:31 | | 7/23/18 8:46 | | 7/23/18 9:00 | |
| QC Batch No.: | 180723GC8A1 | | 180723GC8A1 | | 180723GC8A1 | | 180723GC8A1 | |
| Analyst Initials: | AS | | AS | | AS | | AS | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 5.9 | 3.4 | 24 | 3.4 | 18 | 3.4 | 28 | 3.4 |
| Carbon Dioxide | 46 | 0.034 | 53 | 0.034 | 47 | 0.034 | 45 | 0.034 |
| Oxygen/Argon | ND | 1.7 | ND | 1.7 | ND | 1.7 | 2.3 | 1.7 |
| Nitrogen | 12 | 3.4 | 5.8 | 3.4 | 10.0 | 3.4 | 8.0 | 3.4 |
| Methane | 34 | 0.0034 | 14 | 0.0034 | 22 | 0.0034 | 16 | 0.0034 |
| Carbon Monoxide | 0.024 | 0.0034 | 0.087 | 0.0034 | 0.076 | 0.0034 | 0.11 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-117 | J071801-118 | | J071801-119 | | J071801-120 | | |
|----------------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Client Sample I.D.: | GEW 57B | | GEW 156 | | GEW 145 | | GEW 102 | |
| Date/Time Sampled: | 7/11/18 13:37 | | 7/11/18 13:55 | | 7/12/18 8:17 | | 7/12/18 8:28 | |
| Date/Time Analyzed: | 7/23/18 9:15 | | 7/23/18 9:29 | | 7/23/18 10:00 | | 7/23/18 10:14 | |
| QC Batch No.: | 180723GC8A1 | | 180723GC8A1 | | 180723GC8A1 | | 180723GC8A1 | |
| Analyst Initials: | AS | | AS | | AS | | AS | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.4 | | 3.4 | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 43 | 3.4 | 7.5 | 3.4 | 42 | 3.4 | 33 | 3.4 |
| Carbon Dioxide | 52 | 0.034 | 48 | 0.034 | 49 | 0.034 | 50 | 0.034 |
| Oxygen/Argon | ND | 1.7 | ND | 1.7 | ND | 1.7 | ND | 1.7 |
| Nitrogen | ND | 3.4 | 6.3 | 3.4 | ND | 3.4 | ND | 3.4 |
| Methane | 1.0 | 0.0034 | 37 | 0.0034 | 5.0 | 0.0034 | 13 | 0.0034 |
| Carbon Monoxide | 0.14 | 0.0034 | 0.020 | 0.0034 | 0.17 | 0.0034 | 0.046 | 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 7/25/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-121 | J071801-122 | | J071801-123 | | J071801-124 | | |
|----------------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|
| Client Sample I.D.: | GEW 101 | GEW 144 | | GEW 174 | | GEW 104 | | |
| Date/Time Sampled: | 7/12/18 8:42 | 7/12/18 8:53 | | 7/12/18 9:10 | | 7/12/18 9:49 | | |
| Date/Time Analyzed: | 7/23/18 10:29 | 7/23/18 10:44 | | 7/23/18 10:58 | | 7/23/18 11:13 | | |
| QC Batch No.: | 180723GC8A1 | 180723GC8A1 | | 180723GC8A1 | | 180723GC8A1 | | |
| Analyst Initials: | AS | AS | | AS | | AS | | |
| Dilution Factor: | 3.4 | 3.4 | | 3.4 | | 3.4 | | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 2.9 d | 0.034 | 2.5 d | 0.034 | 14 | 3.4 | 11 | 3.4 |
| Carbon Dioxide | 43 | 0.034 | 28 | 0.034 | 45 | 0.034 | 41 | 0.034 |
| Oxygen/Argon | 7.6 | 1.7 | 8.6 | 1.7 | ND | 1.7 | ND | 1.7 |
| Nitrogen | 29 | 3.4 | 30 | 3.4 | 16 | 3.4 | ND | 3.4 |
| Methane | 17 | 0.0034 | 30 | 0.0034 | 23 | 0.0034 | 44 | 0.0034 |
| Carbon Monoxide | 0.030 | 0.0034 | 0.012 | 0.0034 | 0.063 | 0.0034 | 0.020 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC Batch: 180724GC8A2

Reviewed/Approved By: _____


Mark Johnson
Operations Manager

Date 7/24/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
Attn: Mike Lambrich
Project Name: Bridgeton Landfill
Project No.: NA
Date Received: 07/18/18
Matrix: Air
Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-125 | J071801-126 | | J071801-127 | | J071801-128 | | |
|----------------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Client Sample I.D.: | GEW 68A | | GEW 143 | | GEW 100 | | GEW 172 | |
| Date/Time Sampled: | 7/12/18 10:21 | | 7/12/18 10:46 | | 7/12/18 11:01 | | 7/13/18 8:44 | |
| Date/Time Analyzed: | 7/23/18 11:28 | | 7/23/18 11:42 | | 7/23/18 11:57 | | 7/23/18 12:11 | |
| QC Batch No.: | 180723GC8A1 | | 180723GC8A1 | | 180723GC8A1 | | 180723GC8A1 | |
| Analyst Initials: | AS | | AS | | AS | | AS | |
| Dilution Factor: | 3.4 | | 3.4 | | 3.0 | | 3.4 | |
| ANALYTE | Result % v/v | RL % v/v |
| Hydrogen | 33 | 3.4 | 14 | 3.4 | 22 | 3.0 | 24 | 3.4 |
| Carbon Dioxide | 54 | 0.034 | 19 | 0.034 | 40 | 0.030 | 51 | 0.034 |
| Oxygen/Argon | ND | 1.7 | 14 | 1.7 | 7.7 | 1.5 | ND | 1.7 |
| Nitrogen | ND | 3.4 | 52 | 3.4 | 27 | 3.0 | ND | 3.4 |
| Methane | 8.1 | 0.0034 | 0.25 | 0.0034 | 0.89 | 0.0030 | 20 | 0.0034 |
| Carbon Monoxide | 0.21 | 0.0034 | 0.14 | 0.0034 | 0.056 | 0.0030 | 0.16 | 0.0034 |

Results normalized including non-methane hydrocarbons

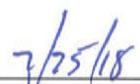
ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


Mark Johnson
Operations Manager

Date _____



The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 07/18/18
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-129 | J071801-130 | J071801-131 | J071801-132 | | | | | |
|---------------------|---------------|---------------|---------------|---------------|--------------|----------|--------------|----------|--------|
| Client Sample I.D.: | GEW 140 | GEW 139 | GEW 173 | GEW 177 | | | | | |
| Date/Time Sampled: | 7/13/18 8:54 | 7/13/18 9:15 | 7/13/18 9:45 | 7/13/18 10:08 | | | | | |
| Date/Time Analyzed: | 7/23/18 12:26 | 7/23/18 12:40 | 7/23/18 12:55 | 7/23/18 13:09 | | | | | |
| QC Batch No.: | 180723GC8A1 | 180723GC8A1 | 180723GC8A1 | 180723GC8A1 | | | | | |
| Analyst Initials: | AS | AS | AS | AS | | | | | |
| 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 | 26 | 3.4 | 31 | 3.4 | 1.4 | d | 0.034 | 27 | 3.4 |
| Carbon Dioxide | 50 | 0.034 | 49 | 0.034 | 15 | | 0.034 | 53 | 0.034 |
| Oxygen/Argon | ND | 1.7 | ND | 1.7 | 11 | | 1.7 | 2.8 | 1.7 |
| Nitrogen | 7.2 | 3.4 | 11 | 3.4 | 68 | | 3.4 | 9.8 | 3.4 |
| Methane | 15 | 0.0034 | 6.4 | 0.0034 | 4.2 | | 0.0034 | 6.6 | 0.0034 |
| Carbon Monoxide | 0.13 | 0.0034 | 0.21 | 0.0034 | 0.015 | | 0.0034 | 0.27 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

d = Reported from a secondary analysis. QC Batch: 180724GC8A2

Reviewed/Approved By: Mark Johnson
 Mark Johnson
 Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 07/18/18
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-133 | J071801-134 | | J071801-135 | | J071801-136 | | |
|---------------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|-------------|
| Client Sample I.D.: | GEW 129 | GEW 151 | | GEW 88 | | GEW 127 | | |
| Date/Time Sampled: | 7/13/18 11:33 | 7/17/18 8:43 | | 7/17/18 8:52 | | 7/17/18 9:06 | | |
| Date/Time Analyzed: | 7/23/18 15:35 | 7/23/18 15:49 | | 7/23/18 16:04 | | 7/23/18 16:18 | | |
| QC Batch No.: | 180723GC8A2 | 180723GC8A2 | | 180723GC8A2 | | 180723GC8A2 | | |
| Analyst Initials: | AS | AS | | AS | | AS | | |
| Dilution Factor: | 3.5 | 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 | 31 | 3.5 | 39 | 3.4 | 24 | 3.4 | 21 | 3.4 |
| Carbon Dioxide | 64 | 0.035 | 49 | 0.034 | 43 | 0.034 | 57 | 0.034 |
| Oxygen/Argon | ND | 1.7 | ND | 1.7 | 1.7 | 1.7 | ND | 1.7 |
| Nitrogen | ND | 3.5 | ND | 3.4 | 19 | 3.4 | 11 | 3.4 |
| Methane | 1.1 | 0.0035 | 7.6 | 0.0034 | 10.0 | 0.0034 | 8.4 | 0.0034 |
| Carbon Monoxide | 0.35 | 0.0035 | 0.12 | 0.0034 | 0.061 | 0.0034 | 0.18 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

Client: Republic Services
 Attn: Mike Lambrich
 Project Name: Bridgeton Landfill
 Project No.: NA
 Date Received: 07/18/18
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946

| Lab No.: | J071801-137 | J071801-138 | | J071801-139 | | |
|---------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Client Sample I.D.: | GEW 130 | | GEW 131 | | GEW 120 | |
| Date/Time Sampled: | 7/17/18 9:15 | | 7/17/18 9:27 | | 7/17/18 9:43 | |
| Date/Time Analyzed: | 7/23/18 16:33 | | 7/23/18 16:47 | | 7/23/18 17:02 | |
| QC Batch No.: | 180723GC8A2 | | 180723GC8A2 | | 180723GC8A2 | |
| Analyst Initials: | AS | | AS | | AS | |
| Dilution Factor: | 3.2 | | 3.4 | | 3.4 | |
| ANALYTE | Result % v/v | RL % v/v | Result % v/v | RL % v/v | Result % v/v | RL % v/v |
| Hydrogen | 26 | 3.2 | 13 | 3.4 | 12 | 3.4 |
| Carbon Dioxide | 50 | 0.032 | 40 | 0.034 | 61 | 0.034 |
| Oxygen/Argon | 2.3 | 1.6 | ND | 1.7 | ND | 1.7 |
| Nitrogen | 13 | 3.2 | 22 | 3.4 | 3.7 | 3.4 |
| Methane | 7.3 | 0.0032 | 24 | 0.0034 | 22 | 0.0034 |
| Carbon Monoxide | 0.22 | 0.0032 | 0.081 | 0.0034 | 0.059 | 0.0034 |

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 1 of 1

QC Batch No: 180720GC8A1
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

| Lab No.: | METHOD BLANK | | LCS | | LCSD | | | Limits | | | |
|-------------------|-----------------|-------------|------------------------|-----------------|---------------|-----------------|--------|----------|-------------|--------------|-------------|
| Date Analyzed: | 7/20/18 10:48 | | 7/20/18 10:04 | | 7/20/18 10:18 | | | | | | |
| Analyst Initials: | AS | | AS | | AS | | | | | | |
| Dilution Factor: | 1.0 | | 1.0 | | 1.0 | | | | | | |
| ANALYTE | Result % v/v | RL % v/v | SPIKE AMT. % v/v | Result % v/v | % Rec. | Result % v/v | % Rec. | RPD % | Low %Rec | High %Rec | Max. RPD |
| Hydrogen | ND | 1.0 | 5.0 | 4.72 | 94 | 4.69 | 94 | 0.6 | 70 | 130 | 30 |
| Carbon Dioxide | ND | 0.010 | 10 | 8.75 | 87 | 8.77 | 87 | 0.2 | 70 | 130 | 30 |
| Oxygen/Argon | ND | 0.50 | 15 | 15.8 | 107 | 15.8 | 107 | 0.1 | 70 | 130 | 30 |
| Nitrogen | ND | 1.0 | 70 | 71.1 | 102 | 71.2 | 102 | 0.1 | 70 | 130 | 30 |
| Methane | ND | 0.0010 | 0.10 | 0.122 | 122 | 0.121 | 121 | 0.8 | 70 | 130 | 30 |
| Carbon Monoxide | ND | 0.0010 | 0.10 | 0.104 | 104 | 0.103 | 103 | 0.6 | 70 | 130 | 30 |

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

Date 7/25/18

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

QC Batch No: 180720GC8A2
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

| Lab No.: | METHOD BLANK | | LCS | | LCSD | | | Limits | | | |
|-------------------|-----------------|-------------|------------------------|-----------------|---------------|-----------------|--------|----------|-------------|--------------|-------------|
| Date Analyzed: | 7/20/18 15:40 | | 7/20/18 16:04 | | 7/20/18 16:18 | | | | | | |
| Analyst Initials: | MJ | | MJ | | MJ | | | | | | |
| Dilution Factor: | 1.0 | | 1.0 | | 1.0 | | | | | | |
| ANALYTE | Result % v/v | RL % v/v | SPIKE AMT. % v/v | Result % v/v | % Rec. | Result % v/v | % Rec. | RPD % | Low %Rec | High %Rec | Max. RPD |
| Hydrogen | ND | 1.0 | 5.0 | 4.70 | 94 | 4.50 | 90 | 4.4 | 70 | 130 | 30 |
| Carbon Dioxide | ND | 0.010 | 10 | 9.03 | 90 | 8.44 | 84 | 6.8 | 70 | 130 | 30 |
| Oxygen/Argon | ND | 0.50 | 15 | 15.9 | 107 | 15.4 | 104 | 3.2 | 70 | 130 | 30 |
| Nitrogen | ND | 1.0 | 70 | 71.5 | 102 | 69.3 | 99 | 3.2 | 70 | 130 | 30 |
| Methane | ND | 0.0010 | 0.10 | 0.127 | 127 | 0.123 | 123 | 3.1 | 70 | 130 | 30 |
| Carbon Monoxide | ND | 0.0010 | 0.10 | 0.108 | 108 | 0.105 | 105 | 3.0 | 70 | 130 | 30 |

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

QC Batch No: 180720GC8A3
 Matrix: Air
 Reporting Units: % v/v

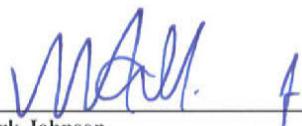
ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

| Lab No.: | METHOD BLANK | | LCS | LCSD | | | | | | | |
|-------------------|-----------------|-------------|------------------------|-----------------|--------|-----------------|--------|----------|-------------|--------------|-------------|
| Date Analyzed: | 7/20/18 23:45 | | 7/20/18 23:01 | 7/20/18 23:15 | | | | | | | |
| Analyst Initials: | MJ | | MJ | MJ | | | | | | | |
| Dilution Factor: | 1.0 | | 1.0 | 1.0 | | | | | | | |
| ANALYTE | Result % v/v | RL % v/v | SPIKE AMT. % v/v | Result % v/v | % Rec. | Result % v/v | % Rec. | RPD % | Low %Rec | High %Rec | Max. RPD |
| Hydrogen | ND | 1.0 | 5.0 | 5.87 | 117 | 5.89 | 118 | 0.3 | 70 | 130 | 30 |
| Carbon Dioxide | ND | 0.010 | 10 | 9.77 | 98 | 9.83 | 98 | 0.5 | 70 | 130 | 30 |
| Oxygen/Argon | ND | 0.50 | 15 | 15.8 | 106 | 15.8 | 107 | 0.3 | 70 | 130 | 30 |
| Nitrogen | ND | 1.0 | 70 | 71.6 | 102 | 71.9 | 103 | 0.4 | 70 | 130 | 30 |
| Methane | ND | 0.0010 | 0.10 | 0.110 | 110 | 0.110 | 110 | 0.0 | 70 | 130 | 30 |
| Carbon Monoxide | ND | 0.0010 | 0.10 | 0.107 | 107 | 0.107 | 107 | 0.2 | 70 | 130 | 30 |

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager
Date 7/25/18

The cover letter is an integral part of this analytical report

**AirTECHNOLOGY Laboratories, Inc.**

QC Batch No: 180721GC8A1
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

| Lab No.: | METHOD BLANK | | LCS | LCSD | | Limits | | | | | | | | | | | |
|-------------------|-----------------|-------------|------------------------|-----------------|--------|-----------------|--------|----------|-------------|--------------|-------------|--|--|--|--|--|--|
| Date Analyzed: | 7/21/18 22:29 | | 7/21/18 21:45 | 7/21/18 21:59 | | | | | | | | | | | | | |
| Analyst Initials: | MJ | | MJ | | MJ | | | | | | | | | | | | |
| Dilution Factor: | 1.0 | | 1.0 | | 1.0 | | | | | | | | | | | | |
| ANALYTE | Result % v/v | RL % v/v | SPIKE AMT. % v/v | Result % v/v | % Rec. | Result % v/v | % Rec. | RPD % | Low %Rec | High %Rec | Max. RPD | | | | | | |
| Hydrogen | ND | 1.0 | 5.0 | 5.94 | 119 | 5.84 | 117 | 1.7 | 70 | 130 | 30 | | | | | | |
| Carbon Dioxide | ND | 0.010 | 10 | 9.89 | 99 | 9.84 | 98 | 0.5 | 70 | 130 | 30 | | | | | | |
| Oxygen/Argon | ND | 0.50 | 15 | 15.8 | 107 | 15.7 | 106 | 0.5 | 70 | 130 | 30 | | | | | | |
| Nitrogen | ND | 1.0 | 70 | 71.8 | 103 | 71.5 | 102 | 0.4 | 70 | 130 | 30 | | | | | | |
| Methane | ND | 0.0010 | 0.10 | 0.117 | 117 | 0.117 | 117 | 0.2 | 70 | 130 | 30 | | | | | | |
| Carbon Monoxide | ND | 0.0010 | 0.10 | 0.106 | 106 | 0.105 | 105 | 0.2 | 70 | 130 | 30 | | | | | | |

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

QC Batch No: 180722GC8A1
 Matrix: Air
 Reporting Units: % v/v

| ASTM D1946 LABORATORY CONTROL SAMPLE SUMMARY | | | | | | | | | | | | | | |
|---|-----------------|-------------|------------------------|-----------------|--------------|-----------------|--------|----------|-------------|--------------|-------------|--|--|--|
| Lab No.: | METHOD BLANK | | LCS | | LCSD | | Limits | | | | | | | |
| Date Analyzed: | 7/22/18 5:04 | | 7/22/18 4:20 | | 7/22/18 4:35 | | | | | | | | | |
| Analyst Initials: | MJ | | MJ | | MJ | | | | | | | | | |
| Dilution Factor: | 1.0 | | 1.0 | | 1.0 | | | | | | | | | |
| ANALYTE | Result % v/v | RL % v/v | SPIKE AMT. % v/v | Result % v/v | % Rec. | Result % v/v | % Rec. | RPD % | Low %Rec | High %Rec | Max. RPD | | | |
| Hydrogen | ND | 1.0 | 5.0 | 5.68 | 114 | 5.67 | 113 | 0.2 | 70 | 130 | 30 | | | |
| Carbon Dioxide | ND | 0.010 | 10 | 9.52 | 95 | 9.64 | 96 | 1.2 | 70 | 130 | 30 | | | |
| Oxygen/Argon | ND | 0.50 | 15 | 15.4 | 104 | 15.6 | 105 | 0.9 | 70 | 130 | 30 | | | |
| Nitrogen | ND | 1.0 | 70 | 70.0 | 100 | 70.7 | 101 | 1.0 | 70 | 130 | 30 | | | |
| Methane | ND | 0.0010 | 0.10 | 0.120 | 120 | 0.120 | 120 | 0.0 | 70 | 130 | 30 | | | |
| Carbon Monoxide | ND | 0.0010 | 0.10 | 0.107 | 107 | 0.107 | 107 | 0.1 | 70 | 130 | 30 | | | |

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

QC Batch No: 180722GC8A2
 Matrix: Air
 Reporting Units: % v/v

| ASTM D1946 LABORATORY CONTROL SAMPLE SUMMARY | | | | | | | | | | | | | |
|---|-----------------|-------------|------------------------|-----------------|--------|-----------------|--------|----------|-------------|--------------|-------------|--|--|
| Lab No.: | METHOD BLANK | | | LCS | | LCSD | | Limits | | | | | |
| Date Analyzed: | 7/22/18 18:29 | | | 7/22/18 17:45 | | 7/22/18 17:59 | | | | | | | |
| Analyst Initials: | MJ | | | MJ | | MJ | | | | | | | |
| Dilution Factor: | 1.0 | | | 1.0 | | 1.0 | | | | | | | |
| ANALYTE | Result % v/v | RL % v/v | SPIKE AMT. % v/v | Result % v/v | % Rec. | Result % v/v | % Rec. | RPD % | Low %Rec | High %Rec | Max. RPD | | |
| Hydrogen | ND | 1.0 | 5.0 | 5.81 | 116 | 5.83 | 117 | 0.3 | 70 | 130 | 30 | | |
| Carbon Dioxide | ND | 0.010 | 10 | 9.73 | 97 | 9.73 | 97 | 0.0 | 70 | 130 | 30 | | |
| Oxygen/Argon | ND | 0.50 | 15 | 15.6 | 105 | 15.6 | 105 | 0.2 | 70 | 130 | 30 | | |
| Nitrogen | ND | 1.0 | 70 | 70.9 | 101 | 70.8 | 101 | 0.1 | 70 | 130 | 30 | | |
| Methane | ND | 0.0010 | 0.10 | 0.111 | 111 | 0.110 | 110 | 0.5 | 70 | 130 | 30 | | |
| Carbon Monoxide | ND | 0.0010 | 0.10 | 0.108 | 108 | 0.107 | 107 | 0.4 | 70 | 130 | 30 | | |

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____
 Mark Johnson
 Operations Manager

Date _____ 7/25/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

QC Batch No: 180723GC8A1
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

| Lab No.: | METHOD BLANK | | LCS | LCSD | | | | | | | |
|-------------------|-----------------|-------------|------------------------|-----------------|--------|-----------------|--------|----------|-------------|--------------|-------------|
| Date Analyzed: | 7/23/18 1:05 | | 7/23/18 0:21 | 7/23/18 0:36 | | | | | | | |
| Analyst Initials: | AS | | AS | AS | | | | | | | |
| Dilution Factor: | 1.0 | | 1.0 | 1.0 | | | | | | | |
| ANALYTE | Result % v/v | RL % v/v | SPIKE AMT. % v/v | Result % v/v | % Rec. | Result % v/v | % Rec. | RPD % | Low %Rec | High %Rec | Max. RPD |
| Hydrogen | ND | 1.0 | 5.0 | 5.78 | 116 | 5.79 | 116 | 0.3 | 70 | 130 | 30 |
| Carbon Dioxide | ND | 0.010 | 10 | 9.71 | 97 | 9.72 | 97 | 0.1 | 70 | 130 | 30 |
| Oxygen/Argon | ND | 0.50 | 15 | 15.6 | 105 | 15.6 | 105 | 0.1 | 70 | 130 | 30 |
| Nitrogen | ND | 1.0 | 70 | 71.0 | 102 | 71.0 | 102 | 0.0 | 70 | 130 | 30 |
| Methane | ND | 0.0010 | 0.10 | 0.113 | 113 | 0.113 | 113 | 0.1 | 70 | 130 | 30 |
| Carbon Monoxide | ND | 0.0010 | 0.10 | 0.106 | 106 | 0.106 | 106 | 0.1 | 70 | 130 | 30 |

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


 Mark Johnson
 Operations Manager
Date 7/25/18

The cover letter is an integral part of this analytical report

**AirTECHNOLOGY Laboratories, Inc.**

QC Batch No: 180723GC8A2
 Matrix: Air
 Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

| Lab No.: | METHOD BLANK | | LCS | LCSD | | | | | | | |
|-------------------|-----------------|-------------|------------------------|-----------------|--------|-----------------|--------|----------|-------------|--------------|-------------|
| Date Analyzed: | 7/23/18 15:20 | | 7/23/18 14:08 | 7/23/18 14:23 | | | | | | | |
| Analyst Initials: | AS | | AS | AS | | | | | | | |
| Dilution Factor: | 1.0 | | 1.0 | 1.0 | | | | | | | |
| ANALYTE | Result % v/v | RL % v/v | SPIKE AMT. % v/v | Result % v/v | % Rec. | Result % v/v | % Rec. | RPD % | Low %Rec | High %Rec | Max. RPD |
| Hydrogen | ND | 1.0 | 5.0 | 5.45 | 109 | 5.43 | 109 | 0.4 | 70 | 130 | 30 |
| Carbon Dioxide | ND | 0.010 | 10 | 9.21 | 92 | 9.22 | 92 | 0.2 | 70 | 130 | 30 |
| Oxygen/Argon | ND | 0.50 | 15 | 15.2 | 103 | 15.3 | 103 | 0.1 | 70 | 130 | 30 |
| Nitrogen | ND | 1.0 | 70 | 68.9 | 99 | 69.0 | 99 | 0.1 | 70 | 130 | 30 |
| Methane | ND | 0.0010 | 0.10 | 0.119 | 119 | 0.119 | 119 | 0.2 | 70 | 130 | 30 |
| Carbon Monoxide | ND | 0.0010 | 0.10 | 0.109 | 109 | 0.109 | 109 | 0.2 | 70 | 130 | 30 |

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

Mark Johnson
 Operations Manager

Date 7/25/18

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

QC Batch # 180724GC8A1
Matrix: Air
Units: % v/v

QC for Low Level Hydrogen Analysis

| Lab No.: | Blank | | LCS | | LCSD | | | |
|-------------------|----------------|-------|----------------|----------|----------------|----------|-----|----------|
| Date Analyzed: | 7/24/2018 9:20 | | 7/24/2018 9:05 | | 7/24/2018 9:10 | | | |
| Analyst Initials: | AS | | AS | | AS | | | |
| Dilution Factor: | 1.0 | | 1.0 | | 1.0 | | | |
| ANALYTE | Results | RL | %Rec | Criteria | %Rec | Criteria | RPD | Criteria |
| Hydrogen | ND | 0.010 | 105 | 70-130 | 104 | 70-130 | 1.0 | <20 |

ND = Not Detected (Below RL)

RL = PQL X Dilution Factor

Reviewed/Approved By:

Mark Johnson
Operations Manager

Date:

7/25/18

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



AirTECHNOLOGY Laboratories, Inc.

QC Batch # 180724GC8A2
Matrix: Air
Units: % v/v

QC for Low Level Hydrogen Analysis

| Lab No.: | Blank | | LCS | | LCSD | | | |
|-------------------|-----------------|-------|-----------------|----------|-----------------|----------|-----|----------|
| Date Analyzed: | 7/24/2018 11:20 | | 7/24/2018 11:06 | | 7/24/2018 11:10 | | | |
| Analyst Initials: | AS | | AS | | AS | | | |
| Dilution Factor: | 1.0 | | 1.0 | | 1.0 | | | |
| ANALYTE | Results | RL | %Rec | Criteria | %Rec | Criteria | RPD | Criteria |
| Hydrogen | ND | 0.010 | 102 | 70-130 | 95 | 70-130 | 7.0 | <20 |

ND = Not Detected (Below RL)

RL = PQL X Dilution Factor

Reviewed/Approved By:


Mark Johnson

Date:

7/25/18

Operations Manager

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



AirTECHNOLOGY Laboratories, Inc.

ATTACHMENT D

GAS WELLFIELD DATA

ATTACHMENT D-1

WELLFIELD DATA TABLE

| July 2018 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 | 7/5/2018 9:58 | 53.1 | 43.7 | 0.0 | 3.2 | 118.1 | 118.1 | 9.7 | 12.8 | 0.12 | 0.12 | -13.9 | |
| GEW-002 | 7/5/2018 10:04 | 54.9 | 42.9 | 0.0 | 2.2 | 118.6 | 118.6 | 16.1 | 15.9 | -0.1 | -0.1 | -13.1 | |
| GEW-002 | 7/10/2018 9:08 | 56.3 | 41.8 | 0.0 | 1.9 | 118.4 | 118.4 | 19.7 | 19.1 | -0.1 | -0.1 | -13.4 | |
| GEW-002 | 7/10/2018 9:09 | 55.3 | 43.3 | 0.0 | 1.4 | 118.4 | 118.4 | 13.6 | 13.0 | -0.1 | -0.1 | -13.5 | |
| GEW-002 | 7/20/2018 7:52 | 57.9 | 42.0 | 0.1 | 0.0 | 117.1 | 117.0 | 16.5 | 18.8 | -0.2 | -0.2 | -12.7 | |
| GEW-002 | 7/20/2018 7:53 | 56.5 | 42.5 | 0.0 | 1.0 | 117.0 | 117.1 | 18.8 | 19.2 | -0.2 | -0.2 | -13.3 | |
| GEW-002 | 7/23/2018 10:18 | 58.6 | 41.0 | 0.0 | 0.4 | 117.3 | 117.3 | 20.2 | 20.2 | -0.7 | -0.6 | -13.6 | |
| GEW-002 | 7/23/2018 10:19 | 57.2 | 42.0 | 0.0 | 0.8 | 117.6 | 117.6 | 19.4 | 20.5 | -0.8 | -0.7 | -13.5 | |
| GEW-002 | 7/31/2018 9:49 | 57.8 | 40.8 | 0.0 | 1.4 | 116.6 | 116.6 | 23.8 | 22.1 | -0.7 | -0.7 | -13.5 | |
| GEW-003 | 7/5/2018 10:08 | 53.5 | 41.9 | 0.0 | 4.6 | 117.6 | 117.6 | 8.9 | 7.4 | -0.1 | -0.1 | -12.5 | |
| GEW-003 | 7/5/2018 10:15 | 53.7 | 41.4 | 0.0 | 4.9 | 117.3 | 117.3 | 7.6 | 10.8 | -0.1 | -0.1 | -13.0 | |
| GEW-003 | 7/10/2018 9:13 | 52.6 | 42.1 | 0.0 | 5.3 | 116.9 | 116.9 | 3.3 | 1.8 | -0.1 | -0.1 | -12.6 | |
| GEW-003 | 7/20/2018 7:57 | 53.4 | 41.8 | 0.0 | 4.8 | 115.5 | 115.5 | 11.2 | 10.0 | -0.04 | -0.04 | -12.4 | |
| GEW-003 | 7/20/2018 7:59 | 53.3 | 42.2 | 0.0 | 4.5 | 115.8 | 115.8 | 21.3 | 21.1 | -0.04 | -0.03 | -12.7 | |
| GEW-003 | 7/23/2018 10:23 | 53.1 | 40.7 | 0.0 | 6.2 | 116.6 | 116.3 | 5.4 | 5.4 | -0.2 | -0.2 | -12.5 | |
| GEW-003 | 7/31/2018 9:54 | 51.8 | 41.0 | 0.0 | 7.2 | 114.0 | 114.0 | 12.4 | 10.5 | -0.2 | -0.2 | -12.8 | |
| GEW-003 | 7/31/2018 9:55 | 51.0 | 41.2 | 0.0 | 7.8 | 114.0 | 114.2 | 13.8 | 10.1 | -0.2 | -0.2 | -12.9 | |
| GEW-004 | 7/5/2018 10:18 | 54.3 | 41.3 | 0.0 | 4.4 | 118.4 | 118.4 | 6.6 | 6.6 | -0.3 | -0.3 | -13.2 | |
| GEW-004 | 7/5/2018 10:24 | 55.4 | 40.2 | 0.0 | 4.4 | 118.4 | 118.4 | 11.0 | 10.8 | -0.3 | -0.3 | -13.1 | |
| GEW-004 | 7/10/2018 9:16 | 54.9 | 41.1 | 0.0 | 4.0 | 118.1 | 118.1 | 5.7 | 8.7 | -0.2 | -0.2 | -12.5 | |
| GEW-004 | 7/20/2018 8:03 | 55.7 | 41.5 | 0.0 | 2.8 | 116.3 | 116.3 | 12.4 | 12.4 | -0.2 | -0.2 | -12.4 | |
| GEW-004 | 7/23/2018 10:26 | 55.4 | 40.9 | 0.0 | 3.7 | 117.1 | 117.2 | 12.2 | 13.5 | -0.4 | -0.4 | -12.5 | |
| GEW-004 | 7/31/2018 9:58 | 55.9 | 40.9 | 0.0 | 3.2 | 115.3 | 115.0 | 33.6 | 33.6 | -0.3 | -0.3 | -12.9 | |
| GEW-005 | 7/5/2018 10:56 | 55.9 | 35.0 | 0.0 | 9.1 | 97.8 | 97.7 | 8.7 | 8.2 | -0.02 | -0.02 | -12.9 | |
| GEW-005 | 7/5/2018 11:03 | 54.6 | 35.4 | 0.0 | 10.0 | 97.9 | 97.9 | 9.1 | 8.2 | -0.02 | -0.02 | -13.2 | |
| GEW-005 | 7/10/2018 9:33 | 55.9 | 37.7 | 0.0 | 6.4 | 95.5 | 95.5 | 31.4 | 31.4 | 0.01 | 0.02 | -13.1 | |
| GEW-005 | 7/10/2018 9:35 | 56.3 | 37.3 | 0.0 | 6.4 | 95.5 | 95.4 | 10.1 | 7.7 | -0.02 | -0.03 | -13.3 | |
| GEW-005 | 7/20/2018 8:22 | 54.4 | 37.6 | 0.0 | 8.0 | 92.7 | 92.7 | 7.8 | 6.0 | -0.02 | -0.02 | -13.3 | |
| GEW-005 | 7/23/2018 10:39 | 53.6 | 37.4 | 0.0 | 9.0 | 92.4 | 92.4 | 27.2 | 27.5 | -0.2 | -0.2 | -13.3 | |
| GEW-005 | 7/23/2018 10:41 | 53.9 | 36.8 | 0.0 | 9.3 | 92.7 | 92.7 | 5.5 | 10.0 | -0.1 | -0.1 | -13.6 | |
| GEW-005 | 7/31/2018 10:14 | 52.1 | 37.9 | 0.0 | 10.0 | 89.5 | 89.6 | 9.2 | 9.2 | -0.1 | -0.1 | -13.2 | |
| GEW-005 | 7/31/2018 10:16 | 52.8 | 36.9 | 0.0 | 10.3 | 89.5 | 89.6 | 9.4 | 9.3 | -0.1 | -0.1 | -12.9 | |
| GEW-006 | 7/5/2018 13:29 | 57.3 | 37.3 | 0.0 | 5.4 | 92.9 | 92.9 | 16.9 | 19.0 | -0.2 | -0.2 | -13.2 | |
| GEW-006 | 7/5/2018 13:36 | 56.7 | 37.5 | 0.0 | 5.8 | 92.4 | 92.4 | 19.6 | 16.3 | -0.2 | -0.2 | -13.3 | |
| GEW-006 | 7/10/2018 9:43 | 56.9 | 38.5 | 0.0 | 4.6 | 90.8 | 90.8 | 16.2 | 14.4 | -0.2 | -0.2 | -12.4 | |
| GEW-006 | 7/20/2018 8:28 | 56.7 | 39.3 | 0.0 | 4.0 | 89.6 | 89.6 | 20.8 | 18.2 | -0.3 | -0.3 | -13.8 | |
| GEW-006 | 7/23/2018 10:47 | 56.6 | 39.0 | 0.0 | 4.4 | 89.9 | 89.8 | 9.6 | 7.8 | -0.4 | -0.4 | -13.4 | |
| GEW-006 | 7/31/2018 10:21 | 55.9 | 39.8 | 0.0 | 4.3 | 88.6 | 88.6 | 23.2 | 24.0 | -0.3 | -0.3 | -13.0 | |
| GEW-007 | 7/3/2018 8:41 | 59.0 | 40.2 | 0.0 | 0.8 | 95.5 | 95.5 | 9.9 | 9.9 | -0.7 | -0.7 | -13.2 | |
| GEW-007 | 7/3/2018 8:47 | 57.4 | 41.1 | 0.0 | 1.5 | 95.5 | 95.5 | 8.2 | 9.1 | -0.6 | -0.6 | -13.0 | |
| GEW-007 | 7/9/2018 9:29 | 57.9 | 39.8 | 0.0 | 2.3 | 96.1 | 96.1 | 5.3 | 4.5 | -0.7 | -0.7 | -13.0 | |
| GEW-007 | 7/18/2018 9:36 | 57.4 | 40.7 | 0.0 | 1.9 | 95.8 | 95.8 | 8.0 | 8.0 | -0.6 | -0.6 | -13.1 | |

| July 2018 Wellfield Monitoring Data - Bridgeton Landfill | | | | | | | | | | | | | |
|--|-----------------|---------|-----------------|----------------|-------------|-----------|----------|-----------|----------|-------------------|------------------|-----------------|--|
| Well Name | Date Sampled | Methane | CO ₂ | O ₂ | Balance Gas | Init Temp | Adj Temp | Init Flow | Adj Flow | Init Static Press | Adj Static Press | System Pressure | |
| | | (% vol) | | | | °F | | scfm | | H ₂ O | | | |
| GEW-007 | 7/23/2018 8:28 | 58.4 | 40.1 | 0.0 | 1.5 | 93.1 | 93.1 | 7.8 | 6.8 | -0.7 | -0.7 | -13.3 | |
| GEW-007 | 7/23/2018 8:29 | 58.3 | 41.0 | 0.0 | 0.7 | 93.2 | 93.2 | 8.3 | 7.8 | -0.9 | -0.9 | -13.1 | |
| GEW-007 | 7/30/2018 8:32 | 57.9 | 39.6 | 0.0 | 2.5 | 90.8 | 91.0 | 8.7 | 8.3 | -0.5 | -0.5 | -13.0 | |
| GEW-008 | 7/3/2018 8:51 | 52.9 | 43.6 | 0.0 | 3.5 | 114.3 | 114.3 | 34.7 | 34.1 | -0.8 | -0.8 | -13.6 | |
| GEW-008 | 7/3/2018 8:57 | 51.8 | 45.2 | 0.0 | 3.0 | 114.5 | 114.4 | 23.1 | 22.9 | -0.8 | -0.8 | -13.2 | |
| GEW-008 | 7/9/2018 9:32 | 53.8 | 43.6 | 0.0 | 2.6 | 114.3 | 114.3 | 28.1 | 28.0 | -0.7 | -0.7 | -13.8 | |
| GEW-008 | 7/18/2018 9:39 | 53.7 | 43.0 | 0.0 | 3.3 | 114.3 | 114.3 | 26.7 | 26.8 | -0.7 | -0.7 | -13.6 | |
| GEW-008 | 7/23/2018 8:33 | 53.9 | 43.7 | 0.0 | 2.4 | 113.7 | 113.7 | 36.2 | 36.5 | -0.8 | -0.8 | -13.4 | |
| GEW-008 | 7/30/2018 8:36 | 54.7 | 42.5 | 0.0 | 2.8 | 112.5 | 112.5 | 23.0 | 23.5 | -0.8 | -0.8 | -13.2 | |
| GEW-009 | 7/3/2018 9:01 | 51.0 | 44.2 | 0.0 | 4.8 | 125.0 | 125.0 | 8.5 | 9.3 | -0.1 | -0.1 | -13.2 | |
| GEW-009 | 7/3/2018 9:07 | 52.3 | 42.5 | 0.0 | 5.2 | 125.0 | 125.0 | 28.2 | 28.5 | -0.1 | -0.1 | -13.3 | |
| GEW-009 | 7/9/2018 9:35 | 52.2 | 42.7 | 0.0 | 5.1 | 124.2 | 124.5 | 23.6 | 24.0 | -0.1 | -0.1 | -13.4 | |
| GEW-009 | 7/18/2018 9:43 | 52.9 | 43.2 | 0.0 | 3.9 | 124.7 | 124.9 | 7.8 | 7.6 | -0.1 | -0.1 | -13.1 | |
| GEW-009 | 7/23/2018 8:36 | 53.2 | 43.4 | 0.0 | 3.4 | 123.7 | 124.0 | 24.3 | 24.2 | -0.1 | -0.1 | -13.3 | |
| GEW-009 | 7/30/2018 8:40 | 53.6 | 43.0 | 0.0 | 3.4 | 123.1 | 123.2 | 2.7 | 2.7 | -0.1 | -0.1 | -13.3 | |
| GEW-010 | 7/2/2018 14:34 | 55.0 | 41.7 | 0.5 | 2.8 | 105.1 | 105.1 | 3.2 | 2.7 | -1.2 | -1.2 | -19.4 | |
| GEW-010 | 7/2/2018 14:40 | 54.7 | 39.8 | 0.3 | 5.2 | 107.7 | 107.7 | 2.5 | 2.7 | -1.3 | -1.3 | -18.7 | |
| GEW-010 | 7/10/2018 10:01 | 54.7 | 41.4 | 0.1 | 3.8 | 98.8 | 98.8 | 3.3 | 3.3 | -1.1 | -1.1 | -18.8 | |
| GEW-010 | 7/20/2018 8:58 | 54.2 | 42.5 | 0.1 | 3.2 | 89.6 | 89.6 | 3.5 | 3.6 | -0.8 | -0.8 | -19.2 | |
| GEW-010 | 7/25/2018 14:14 | 55.7 | 43.2 | 0.0 | 1.1 | 104.3 | 104.5 | 2.7 | 2.7 | -1.0 | -1.0 | -20.4 | |
| GEW-010 | 7/31/2018 11:04 | 56.0 | 41.1 | 0.0 | 2.9 | 84.7 | 84.7 | 4.2 | 3.5 | -0.9 | -0.9 | -18.9 | |
| GEW-013A | 7/5/2018 14:27 | 11.4 | 42.5 | 3.9 | 42.2 | 159.2 | 159.0 | 19.4 | 23.3 | -0.4 | -0.3 | -18.1 | |
| GEW-013A | 7/5/2018 14:34 | 12.0 | 39.6 | 3.9 | 44.5 | 159.0 | 158.8 | 21.3 | 20.8 | -0.3 | -0.3 | -18.7 | |
| GEW-013A | 7/19/2018 11:25 | 12.1 | 42.8 | 3.7 | 41.4 | 156.9 | 156.9 | 22.5 | 23.0 | -0.3 | -0.3 | -17.4 | |
| GEW-013A | 7/19/2018 11:27 | 12.0 | 43.6 | 3.7 | 40.7 | 156.9 | 156.5 | 22.5 | 21.2 | -0.3 | -0.3 | -16.7 | |
| GEW-015 | 7/11/2018 10:34 | 1.0 | 48.4 | 0.0 | 50.6 | 97.2 | 97.2 | 3.4 | 3.2 | -0.4 | -0.4 | -19.1 | |
| GEW-015 | 7/11/2018 10:42 | 3.0 | 47.8 | 0.0 | 49.2 | 97.4 | 97.4 | 3.2 | 3.6 | -0.4 | -0.4 | -19.0 | |
| GEW-016R | 7/11/2018 10:59 | 15.5 | 45.2 | 0.0 | 39.3 | 177.5 | 177.5 | NFD | | -18.2 | -18.3 | -18.0 | |
| GEW-016R | 7/11/2018 11:10 | 21.6 | 45.6 | 0.0 | 32.8 | 177.5 | 177.5 | NFD | | -19.4 | -19.5 | -19.4 | |
| GEW-016R | 7/23/2018 13:54 | 6.9 | 52.6 | 0.0 | 40.5 | 178.0 | 178.0 | NFD | | -19.5 | -19.5 | -19.2 | |
| GEW-016R | 7/23/2018 13:55 | 6.3 | 51.6 | 0.0 | 42.1 | 178.0 | 178.0 | NFD | | -19.6 | -19.8 | -19.6 | |
| GEW-018B | 7/17/2018 9:07 | 1.8 | 41.2 | 4.2 | 52.8 | 173.6 | 173.6 | 2.5 | 2.2 | -0.4 | -0.4 | -18.6 | |
| GEW-018B | 7/17/2018 9:15 | 2.7 | 42.5 | 3.4 | 51.4 | 174.3 | 174.2 | 3.2 | 3.5 | -0.4 | -0.4 | -18.6 | |
| GEW-018B | 7/31/2018 8:16 | 0.7 | 43.1 | 4.9 | 51.3 | 156.9 | 156.9 | 2.3 | 2.3 | -0.3 | -0.2 | -19.2 | |
| GEW-018B | 7/31/2018 8:18 | 0.7 | 45.0 | 4.4 | 49.9 | 154.8 | 154.8 | 1.8 | 2.3 | -0.2 | -0.2 | -19.3 | |
| GEW-022R | 7/13/2018 10:33 | 0.3 | 2.3 | 19.8 | 77.6 | 106.0 | 106.0 | 2.6 | 3.2 | -18.5 | -18.5 | -18.5 | |
| GEW-022R | 7/13/2018 10:35 | 0.3 | 2.5 | 19.5 | 77.7 | 105.8 | 105.8 | 3.7 | 5.0 | -18.5 | -18.5 | -18.5 | |
| GEW-022R | 7/26/2018 14:34 | 3.9 | 58.1 | 0.5 | 37.5 | 83.6 | 83.5 | 4.5 | 5.0 | -19.5 | -19.6 | -19.3 | |
| GEW-038 | 7/3/2018 8:49 | 9.6 | 36.9 | 7.0 | 46.5 | 98.5 | 98.7 | 3.0 | 2.8 | -0.2 | -0.2 | -17.1 | |
| GEW-038 | 7/3/2018 8:56 | 10.4 | 37.6 | 6.9 | 45.1 | 101.1 | 101.1 | 3.4 | 3.2 | -0.2 | -0.2 | -15.7 | |
| GEW-038 | 7/10/2018 10:44 | 17.1 | 56.0 | 0.0 | 26.9 | 112.2 | 112.3 | 2.3 | 2.3 | -0.01 | -0.01 | -13.8 | |
| GEW-038 | 7/10/2018 10:46 | 16.4 | 57.7 | 0.0 | 25.9 | 113.9 | 113.9 | 2.6 | 2.3 | -0.7 | -0.7 | -14.9 | |

| July 2018 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-038 | 7/20/2018 10:20 | 19.8 | 42.9 | 4.9 | 32.4 | 101.8 | 101.8 | 2.5 | 3.0 | -0.8 | -0.8 | -16.0 | |
| GEW-038 | 7/26/2018 7:43 | 20.8 | 44.8 | 4.1 | 30.3 | 81.8 | 81.8 | 3.3 | 3.1 | -0.7 | -0.7 | -14.3 | |
| GEW-038 | 7/31/2018 13:49 | 25.2 | 46.7 | 0.7 | 27.4 | 69.1 | 69.1 | 3.4 | 3.6 | -0.5 | -0.5 | -16.7 | |
| GEW-039 | 7/3/2018 10:12 | 34.8 | 38.4 | 0.1 | 26.7 | 118.9 | 118.9 | 16.9 | 18.1 | -0.9 | -0.9 | -19.4 | |
| GEW-039 | 7/3/2018 10:18 | 34.1 | 37.4 | 0.1 | 28.4 | 118.9 | 118.9 | 19.0 | 20.7 | -0.9 | -0.9 | -17.9 | |
| GEW-039 | 7/10/2018 10:54 | 36.9 | 43.0 | 0.0 | 20.1 | 119.3 | 119.2 | 19.3 | 19.9 | -0.9 | -0.9 | -18.6 | |
| GEW-039 | 7/20/2018 10:28 | 37.5 | 41.9 | 0.0 | 20.6 | 117.3 | 117.3 | 18.8 | 17.0 | -0.9 | -0.8 | -19.1 | |
| GEW-039 | 7/26/2018 7:52 | 33.6 | 41.0 | 0.3 | 25.1 | 114.9 | 114.9 | 16.3 | 20.6 | -0.8 | -0.8 | -19.9 | |
| GEW-039 | 7/31/2018 13:57 | 37.5 | 39.6 | 0.4 | 22.5 | 113.3 | 113.3 | 18.0 | 17.2 | -0.8 | -0.8 | -19.5 | |
| GEW-040 | 7/3/2018 10:22 | 56.2 | 41.3 | 0.0 | 2.5 | 101.1 | 101.1 | 6.1 | 7.7 | -0.6 | -0.6 | -11.7 | |
| GEW-040 | 7/3/2018 10:28 | 58.0 | 39.2 | 0.0 | 2.8 | 101.8 | 101.8 | 9.9 | 8.6 | -0.6 | -0.6 | -13.0 | |
| GEW-040 | 7/9/2018 10:30 | 57.8 | 39.5 | 0.0 | 2.7 | 98.4 | 98.4 | 6.0 | 5.3 | -0.5 | -0.5 | -12.7 | |
| GEW-040 | 7/19/2018 14:05 | 58.3 | 38.9 | 0.0 | 2.8 | 87.7 | 87.7 | 10.0 | 10.4 | -0.5 | -0.5 | -12.6 | |
| GEW-040 | 7/23/2018 9:33 | 58.6 | 40.3 | 0.0 | 1.1 | 84.7 | 84.7 | 6.2 | 7.4 | -0.5 | -0.5 | -12.4 | |
| GEW-040 | 7/23/2018 9:35 | 59.8 | 39.3 | 0.0 | 0.9 | 84.9 | 84.9 | 9.6 | 8.3 | -0.6 | -0.6 | -12.7 | |
| GEW-040 | 7/30/2018 9:16 | 59.1 | 40.2 | 0.0 | 0.7 | 73.0 | 73.1 | 7.4 | 8.4 | -0.5 | -0.5 | -12.7 | |
| GEW-040 | 7/30/2018 9:18 | 59.7 | 39.2 | 0.0 | 1.1 | 73.2 | 73.2 | 7.4 | 8.4 | -0.6 | -0.6 | -12.9 | |
| GEW-041R | 7/3/2018 11:20 | 58.5 | 37.6 | 0.2 | 3.7 | 105.2 | 105.2 | 11.7 | 10.0 | -0.3 | -0.3 | -12.8 | |
| GEW-041R | 7/3/2018 11:26 | 57.8 | 37.5 | 0.2 | 4.5 | 105.0 | 105.0 | 11.1 | 9.7 | -0.3 | -0.3 | -12.9 | |
| GEW-041R | 7/9/2018 11:30 | 60.0 | 36.5 | 0.3 | 3.2 | 106.0 | 106.0 | 10.9 | 12.5 | -0.2 | -0.2 | -12.9 | |
| GEW-041R | 7/19/2018 14:10 | 58.4 | 38.2 | 0.1 | 3.3 | 99.4 | 99.4 | 10.3 | 11.6 | -0.1 | -0.1 | -12.8 | |
| GEW-041R | 7/23/2018 9:39 | 59.4 | 38.4 | 0.0 | 2.2 | 102.5 | 102.5 | 9.1 | 9.1 | -0.3 | -0.3 | -12.4 | |
| GEW-041R | 7/30/2018 9:21 | 58.8 | 38.5 | 0.0 | 2.7 | 98.3 | 98.4 | 9.5 | 7.4 | -0.2 | -0.2 | -12.6 | |
| GEW-042R | 7/3/2018 11:31 | 54.9 | 39.9 | 0.5 | 4.7 | 109.2 | 109.2 | 7.0 | 6.4 | -0.5 | -0.5 | -12.9 | |
| GEW-042R | 7/3/2018 11:37 | 54.1 | 39.9 | 0.4 | 5.6 | 109.5 | 109.5 | 6.4 | 7.5 | -0.5 | -0.5 | -12.9 | |
| GEW-042R | 7/9/2018 11:34 | 54.6 | 39.9 | 0.5 | 5.0 | 109.7 | 109.7 | 9.0 | 8.6 | -0.4 | -0.5 | -12.9 | |
| GEW-042R | 7/19/2018 14:13 | 56.4 | 40.7 | 0.1 | 2.8 | 107.0 | 107.2 | 10.9 | 10.2 | -0.2 | -0.2 | -12.8 | |
| GEW-042R | 7/23/2018 9:41 | 58.4 | 40.3 | 0.0 | 1.3 | 106.1 | 106.3 | 6.1 | 2.7 | -0.5 | -0.4 | -12.8 | |
| GEW-042R | 7/30/2018 9:24 | 57.8 | 40.7 | 0.0 | 1.5 | 102.3 | 102.5 | 8.7 | 8.2 | -0.4 | -0.4 | -12.9 | |
| GEW-043R | 7/5/2018 8:15 | 55.3 | 42.7 | 0.3 | 1.7 | 124.5 | 124.5 | 9.6 | 9.6 | -0.4 | -0.5 | -12.9 | |
| GEW-043R | 7/5/2018 8:21 | 55.1 | 42.3 | 0.1 | 2.5 | 124.7 | 124.5 | 9.3 | 9.3 | -0.4 | -0.4 | -12.7 | |
| GEW-043R | 7/9/2018 11:37 | 54.2 | 41.7 | 0.0 | 4.1 | 125.0 | 125.0 | 10.7 | 10.7 | -0.1 | -0.1 | -12.9 | |
| GEW-043R | 7/9/2018 11:39 | 54.3 | 42.1 | 0.0 | 3.6 | 125.3 | 125.2 | 12.5 | 13.1 | -0.2 | -0.2 | -12.9 | |
| GEW-043R | 7/19/2018 14:19 | 54.7 | 41.8 | 0.0 | 3.5 | 124.5 | 124.2 | 10.7 | 10.7 | 0.2 | 0.2 | -12.6 | |
| GEW-043R | 7/19/2018 14:20 | 54.6 | 42.1 | 0.0 | 3.3 | 124.7 | 124.8 | 12.9 | 15.6 | 0.1 | 0.1 | -12.6 | |
| GEW-043R | 7/20/2018 7:32 | 55.2 | 42.8 | 0.0 | 2.0 | 123.9 | 123.9 | 10.1 | 10.8 | -0.4 | -0.5 | -13.0 | |
| GEW-043R | 7/23/2018 9:45 | 56.3 | 42.3 | 0.0 | 1.4 | 123.9 | 123.9 | 8.9 | 5.4 | -0.5 | -0.5 | -12.9 | |
| GEW-043R | 7/30/2018 9:27 | 55.7 | 41.6 | 0.0 | 2.7 | 123.0 | 123.0 | 13.2 | 14.2 | -0.5 | -0.5 | -12.8 | |
| GEW-044 | 7/5/2018 8:25 | 57.4 | 39.6 | 0.0 | 3.0 | 102.3 | 102.3 | 2.7 | 1.4 | -0.6 | -0.6 | -12.4 | |
| GEW-044 | 7/5/2018 8:32 | 57.8 | 38.3 | 0.0 | 3.9 | 101.9 | 101.9 | 4.7 | 3.9 | -0.5 | -0.5 | -12.7 | |
| GEW-044 | 7/9/2018 11:42 | 56.6 | 39.5 | 0.0 | 3.9 | 104.0 | 104.0 | 7.7 | 7.7 | -0.4 | -0.4 | -12.6 | |
| GEW-044 | 7/19/2018 14:23 | 57.6 | 39.2 | 0.0 | 3.2 | 101.7 | 101.6 | 9.9 | 9.9 | -0.1 | -0.1 | -12.6 | |

| July 2018 Wellfield Monitoring Data - Bridgeton Landfill | | | | | | | | | | | | | |
|--|-----------------|---------|-----------------|----------------|-------------|-----------|----------|-----------|----------|-------------------|------------------|-----------------|--|
| Well Name | Date Sampled | Methane | CO ₂ | O ₂ | Balance Gas | Init Temp | Adj Temp | Init Flow | Adj Flow | Init Static Press | Adj Static Press | System Pressure | |
| | | (% vol) | | | | °F | | scfm | | H ₂ O | | | |
| GEW-044 | 7/23/2018 9:48 | 58.1 | 41.0 | 0.0 | 0.9 | 100.4 | 100.4 | 6.1 | 4.7 | -0.5 | -0.6 | -12.5 | |
| GEW-044 | 7/30/2018 9:30 | 57.1 | 40.8 | 0.0 | 2.1 | 91.0 | 91.2 | 5.5 | 6.2 | -0.4 | -0.4 | -12.9 | |
| GEW-045R | 7/5/2018 8:38 | 55.7 | 40.6 | 0.1 | 3.6 | 95.3 | 95.3 | 8.2 | 7.7 | -0.7 | -0.7 | -12.5 | |
| GEW-045R | 7/5/2018 8:45 | 55.9 | 40.4 | 0.1 | 3.6 | 95.5 | 95.5 | 8.7 | 8.7 | -0.8 | -0.8 | -12.9 | |
| GEW-045R | 7/10/2018 8:33 | 57.0 | 42.3 | 0.0 | 0.7 | 96.5 | 96.7 | 7.9 | 7.9 | -0.6 | -0.6 | -12.9 | |
| GEW-045R | 7/10/2018 8:35 | 56.7 | 42.5 | 0.0 | 0.8 | 97.3 | 97.4 | 8.8 | 8.8 | -1.1 | -1.1 | -12.9 | |
| GEW-045R | 7/19/2018 14:30 | 56.4 | 41.1 | 0.1 | 2.4 | 97.9 | 97.9 | 5.5 | 6.1 | -0.9 | -0.9 | -12.6 | |
| GEW-045R | 7/23/2018 9:56 | 57.9 | 40.2 | 0.0 | 1.9 | 97.9 | 97.9 | 7.3 | 6.7 | -1.4 | -1.4 | -12.5 | |
| GEW-045R | 7/30/2018 11:16 | 58.2 | 39.9 | 0.0 | 1.9 | 92.2 | 92.5 | 8.7 | 7.3 | -1.2 | -1.2 | -13.0 | |
| GEW-046R | 7/5/2018 8:48 | 54.6 | 40.1 | 0.0 | 5.3 | 102.1 | 102.1 | 31.4 | 31.1 | -0.1 | -0.1 | -12.4 | |
| GEW-046R | 7/5/2018 8:55 | 55.7 | 39.4 | 0.0 | 4.9 | 102.3 | 102.3 | 8.2 | 8.2 | -0.1 | -0.1 | -12.7 | |
| GEW-046R | 7/10/2018 8:38 | 54.7 | 40.4 | 0.0 | 4.9 | 101.1 | 101.1 | 10.0 | 8.8 | -0.2 | -0.2 | -12.3 | |
| GEW-046R | 7/19/2018 14:33 | 55.9 | 38.7 | 0.0 | 5.4 | 100.9 | 100.9 | 10.1 | 10.1 | 0.1 | 0.1 | -12.7 | |
| GEW-046R | 7/19/2018 14:35 | 56.1 | 38.7 | 0.0 | 5.2 | 100.8 | 100.9 | 9.9 | 9.9 | 0.1 | 0.1 | -12.8 | |
| GEW-046R | 7/20/2018 7:37 | 55.8 | 40.8 | 0.0 | 3.4 | 97.9 | 97.6 | 6.8 | 8.7 | -0.1 | -0.1 | -12.4 | |
| GEW-046R | 7/23/2018 9:59 | 56.6 | 40.2 | 0.0 | 3.2 | 99.1 | 99.2 | 8.7 | 8.2 | -0.2 | -0.2 | -12.4 | |
| GEW-046R | 7/30/2018 11:20 | 55.9 | 39.9 | 0.0 | 4.2 | 95.3 | 95.0 | 6.8 | 7.1 | -0.1 | -0.1 | -12.7 | |
| GEW-047R | 7/5/2018 11:07 | 54.7 | 39.7 | 0.0 | 5.6 | 113.5 | 113.5 | 11.8 | 10.8 | -0.04 | -0.04 | -12.9 | |
| GEW-047R | 7/5/2018 11:17 | 54.1 | 40.9 | 0.0 | 5.0 | 114.5 | 114.8 | 8.9 | 9.2 | -0.02 | -0.02 | -12.8 | |
| GEW-047R | 7/10/2018 9:22 | 53.9 | 41.3 | 0.0 | 4.8 | 114.0 | 114.0 | 9.1 | 10.6 | -0.1 | -0.1 | -12.9 | |
| GEW-047R | 7/20/2018 8:10 | 54.5 | 42.1 | 0.0 | 3.4 | 111.5 | 111.5 | 24.7 | 25.3 | -0.1 | -0.1 | -12.8 | |
| GEW-047R | 7/23/2018 10:32 | 54.8 | 41.0 | 0.0 | 4.2 | 111.3 | 111.2 | 11.9 | 11.9 | -0.2 | -0.2 | -12.7 | |
| GEW-047R | 7/31/2018 10:06 | 53.0 | 41.5 | 0.0 | 5.5 | 110.0 | 110.0 | 34.3 | 32.9 | -0.2 | -0.2 | -12.9 | |
| GEW-048 | 7/5/2018 11:22 | 55.8 | 39.9 | 0.0 | 4.3 | 104.6 | 104.6 | 13.6 | 9.8 | -0.2 | -0.2 | -13.6 | |
| GEW-048 | 7/5/2018 11:28 | 56.1 | 39.1 | 0.0 | 4.8 | 104.5 | 104.5 | 19.4 | 18.2 | -0.2 | -0.2 | -13.3 | |
| GEW-048 | 7/10/2018 9:38 | 56.7 | 39.9 | 0.0 | 3.4 | 104.0 | 103.9 | 5.9 | 7.7 | -0.1 | -0.1 | -13.4 | |
| GEW-048 | 7/20/2018 8:25 | 57.5 | 39.7 | 0.0 | 2.8 | 102.8 | 102.8 | 11.0 | 12.6 | -0.2 | -0.2 | -13.6 | |
| GEW-048 | 7/23/2018 10:44 | 57.9 | 39.5 | 0.0 | 2.6 | 102.8 | 102.8 | 28.8 | 28.3 | -0.3 | -0.3 | -13.5 | |
| GEW-048 | 7/31/2018 10:18 | 58.1 | 39.3 | 0.0 | 2.6 | 101.6 | 101.6 | 17.3 | 16.4 | -0.2 | -0.2 | -13.6 | |
| GEW-049 | 7/5/2018 11:34 | 55.5 | 39.1 | 0.0 | 5.4 | 108.0 | 107.8 | 6.6 | 6.1 | 0.02 | 0.02 | -12.6 | |
| GEW-049 | 7/5/2018 11:40 | 55.8 | 39.5 | 0.0 | 4.7 | 108.9 | 108.9 | 9.4 | 8.1 | -0.1 | -0.1 | -12.8 | |
| GEW-049 | 7/10/2018 9:25 | 56.1 | 40.5 | 0.0 | 3.4 | 109.0 | 109.1 | 8.8 | 8.3 | -0.03 | -0.03 | -12.6 | |
| GEW-049 | 7/10/2018 9:26 | 56.3 | 40.7 | 0.0 | 3.0 | 109.2 | 109.2 | 7.9 | 9.2 | -0.04 | -0.04 | -12.7 | |
| GEW-049 | 7/20/2018 8:13 | 56.3 | 40.8 | 0.0 | 2.9 | 106.7 | 106.8 | 26.2 | 26.2 | -0.1 | -0.1 | -12.4 | |
| GEW-049 | 7/20/2018 8:14 | 56.8 | 41.1 | 0.0 | 2.1 | 107.3 | 107.4 | 24.6 | 25.7 | -0.1 | -0.1 | -12.2 | |
| GEW-049 | 7/23/2018 10:35 | 57.3 | 40.2 | 0.0 | 2.5 | 108.0 | 107.8 | 6.1 | 7.2 | -0.2 | -0.2 | -12.4 | |
| GEW-049 | 7/31/2018 10:09 | 57.0 | 40.6 | 0.0 | 2.4 | 105.0 | 105.0 | 9.5 | 9.5 | -0.2 | -0.1 | -12.9 | |
| GEW-050 | 7/3/2018 8:07 | 59.4 | 40.6 | 0.0 | 0.0 | 105.8 | 105.9 | 11.2 | 9.5 | -0.2 | -0.2 | -8.7 | |
| GEW-050 | 7/3/2018 8:14 | 59.6 | 40.4 | 0.0 | 0.0 | 106.0 | 106.0 | 8.2 | 10.2 | -0.3 | -0.3 | -7.1 | |
| GEW-050 | 7/9/2018 9:20 | 58.8 | 39.6 | 0.0 | 1.6 | 106.5 | 106.5 | 20.3 | 19.9 | -0.4 | -0.4 | -8.0 | |
| GEW-050 | 7/18/2018 9:29 | 59.7 | 38.4 | 0.0 | 1.9 | 105.7 | 106.0 | 14.8 | 14.8 | -0.3 | -0.2 | -7.0 | |
| GEW-050 | 7/23/2018 8:20 | 60.5 | 39.3 | 0.0 | 0.2 | 105.0 | 104.9 | 16.5 | 16.7 | -0.4 | -0.4 | -8.7 | |

| July 2018 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 | 7/23/2018 8:21 | 59.3 | 39.5 | 0.0 | 1.2 | 105.0 | 105.0 | 17.3 | 14.5 | -0.4 | -0.5 | -8.6 | |
| GEW-050 | 7/30/2018 8:25 | 59.3 | 39.9 | 0.0 | 0.8 | 103.5 | 103.4 | 12.5 | 12.2 | -0.3 | -0.3 | -6.4 | |
| GEW-050 | 7/30/2018 8:26 | 59.1 | 39.9 | 0.0 | 1.0 | 103.8 | 103.8 | 13.1 | 13.7 | -0.3 | -0.4 | -6.1 | |
| GEW-051 | 7/3/2018 9:30 | 54.3 | 42.6 | 0.0 | 3.1 | 124.5 | 124.5 | 13.1 | 13.4 | -0.4 | -0.4 | -12.5 | |
| GEW-051 | 7/3/2018 9:36 | 54.4 | 42.4 | 0.0 | 3.2 | 124.6 | 124.5 | 13.7 | 12.6 | -0.4 | -0.4 | -12.6 | |
| GEW-051 | 7/9/2018 9:39 | 54.7 | 42.1 | 0.0 | 3.2 | 124.3 | 124.2 | 9.2 | 10.9 | -0.4 | -0.4 | -12.6 | |
| GEW-051 | 7/18/2018 9:47 | 55.2 | 41.9 | 0.0 | 2.9 | 123.2 | 123.1 | 12.5 | 11.6 | -0.2 | -0.3 | -12.3 | |
| GEW-051 | 7/23/2018 8:41 | 55.4 | 42.3 | 0.0 | 2.3 | 122.1 | 122.1 | 9.7 | 11.4 | -0.6 | -0.6 | -12.8 | |
| GEW-051 | 7/30/2018 8:55 | 55.8 | 41.0 | 0.0 | 3.2 | 120.9 | 120.8 | 8.1 | 8.1 | -0.5 | -0.5 | -13.1 | |
| GEW-052 | 7/3/2018 8:17 | 56.6 | 39.5 | 0.0 | 3.9 | 113.0 | 113.0 | 24.8 | 24.5 | -0.1 | -0.1 | -13.1 | |
| GEW-052 | 7/3/2018 8:24 | 56.1 | 38.6 | 0.0 | 5.3 | 113.2 | 113.2 | 6.6 | 8.6 | -0.1 | -0.1 | -13.2 | |
| GEW-052 | 7/9/2018 9:26 | 55.4 | 37.5 | 0.0 | 7.1 | 113.0 | 112.8 | 26.0 | 25.4 | -0.1 | -0.1 | -13.3 | |
| GEW-052 | 7/18/2018 9:32 | 55.9 | 37.8 | 0.0 | 6.3 | 112.5 | 112.5 | 35.4 | 35.7 | -0.1 | -0.1 | -13.1 | |
| GEW-052 | 7/23/2018 8:25 | 56.8 | 38.2 | 0.0 | 5.0 | 110.7 | 110.5 | 6.1 | 10.9 | -0.2 | -0.2 | -13.2 | |
| GEW-052 | 7/30/2018 8:29 | 56.5 | 38.8 | 0.0 | 4.7 | 110.5 | 110.4 | 10.2 | 8.6 | -0.1 | -0.1 | -13.1 | |
| GEW-053 | 7/3/2018 9:45 | 50.6 | 43.8 | 0.0 | 5.6 | 143.9 | 143.9 | 15.1 | 14.0 | -0.5 | -0.5 | -13.3 | |
| GEW-053 | 7/3/2018 9:51 | 50.6 | 43.7 | 0.0 | 5.7 | 143.7 | 143.5 | 14.7 | 14.2 | -0.5 | -0.5 | -12.9 | |
| GEW-053 | 7/9/2018 10:10 | 51.5 | 42.4 | 0.0 | 6.1 | 143.5 | 143.5 | 14.8 | 15.5 | -0.5 | -0.5 | -13.3 | |
| GEW-053 | 7/9/2018 10:12 | 51.1 | 42.8 | 0.0 | 6.1 | 143.2 | 143.5 | 12.8 | 13.5 | -0.5 | -0.5 | -12.6 | |
| GEW-053 | 7/18/2018 9:55 | 51.8 | 42.1 | 0.0 | 6.1 | 143.0 | 143.2 | 13.6 | 13.6 | -0.4 | -0.4 | -12.2 | |
| GEW-053 | 7/18/2018 9:57 | 51.1 | 43.2 | 0.0 | 5.7 | 143.2 | 143.2 | 17.0 | 12.0 | -0.4 | -0.4 | -12.6 | |
| GEW-053 | 7/23/2018 9:15 | 52.4 | 43.1 | 0.0 | 4.5 | 143.2 | 142.9 | 7.9 | 12.4 | -0.7 | -0.7 | -12.4 | |
| GEW-053 | 7/23/2018 9:17 | 52.0 | 43.4 | 0.0 | 4.6 | 142.9 | 143.0 | 13.5 | 12.4 | -0.7 | -0.7 | -12.3 | |
| GEW-053 | 7/30/2018 9:01 | 52.0 | 42.2 | 0.0 | 5.8 | 142.9 | 142.6 | 10.6 | 13.2 | -0.7 | -0.7 | -13.3 | |
| GEW-053 | 7/30/2018 9:02 | 51.4 | 42.9 | 0.0 | 5.7 | 142.9 | 142.9 | 13.2 | 13.5 | -0.7 | -0.7 | -13.3 | |
| GEW-054 | 7/3/2018 9:59 | 51.6 | 44.5 | 0.0 | 3.9 | 144.2 | 144.2 | 31.8 | 29.1 | -3.7 | -3.7 | -13.3 | |
| GEW-054 | 7/3/2018 10:05 | 52.2 | 43.0 | 0.0 | 4.8 | 144.5 | 144.5 | 37.1 | 34.6 | -3.7 | -3.7 | -13.3 | |
| GEW-054 | 7/9/2018 10:15 | 52.4 | 42.8 | 0.0 | 4.8 | 144.2 | 144.2 | 39.5 | 38.3 | -3.6 | -3.6 | -13.1 | |
| GEW-054 | 7/9/2018 10:17 | 52.3 | 43.3 | 0.0 | 4.4 | 144.2 | 144.2 | 43.6 | 44.4 | -3.8 | -3.8 | -13.1 | |
| GEW-054 | 7/19/2018 13:51 | 52.5 | 42.3 | 0.0 | 5.2 | 142.5 | 142.5 | 40.7 | 38.5 | -3.6 | -3.6 | -13.6 | |
| GEW-054 | 7/19/2018 13:52 | 53.2 | 42.3 | 0.0 | 4.5 | 142.5 | 142.5 | 37.6 | 38.5 | -3.6 | -3.7 | -13.8 | |
| GEW-054 | 7/23/2018 9:20 | 53.8 | 43.3 | 0.0 | 2.9 | 143.9 | 143.9 | 38.7 | 33.9 | -3.9 | -3.9 | -13.3 | |
| GEW-054 | 7/23/2018 9:21 | 53.9 | 43.3 | 0.0 | 2.8 | 143.9 | 143.9 | 39.6 | 35.7 | -4.0 | -4.0 | -13.2 | |
| GEW-054 | 7/30/2018 9:04 | 52.6 | 43.0 | 0.0 | 4.4 | 143.9 | 143.9 | 33.4 | 30.2 | -4.1 | -4.0 | -13.4 | |
| GEW-054 | 7/30/2018 9:06 | 53.6 | 43.2 | 0.0 | 3.2 | 143.9 | 143.9 | 36.6 | 36.8 | -4.1 | -4.1 | -13.3 | |
| GEW-055 | 7/3/2018 10:13 | 50.7 | 44.0 | 0.0 | 5.3 | 134.7 | 134.6 | 33.1 | 32.5 | -0.3 | -0.3 | -12.1 | |
| GEW-055 | 7/3/2018 10:19 | 51.0 | 43.8 | 0.0 | 5.2 | 134.4 | 134.1 | 22.7 | 24.1 | -0.3 | -0.3 | -12.3 | |
| GEW-055 | 7/9/2018 10:25 | 51.1 | 43.6 | 0.1 | 5.2 | 134.4 | 134.7 | 29.8 | 29.8 | -0.2 | -0.2 | -12.9 | |
| GEW-055 | 7/9/2018 10:27 | 51.0 | 43.4 | 0.1 | 5.5 | 134.6 | 134.7 | 8.7 | 8.7 | -0.2 | -0.2 | -12.6 | |
| GEW-055 | 7/19/2018 14:00 | 51.7 | 42.1 | 0.0 | 6.2 | 134.1 | 134.3 | 33.8 | 33.8 | 0.2 | 0.2 | -13.0 | |
| GEW-055 | 7/19/2018 14:02 | 51.6 | 42.2 | 0.0 | 6.2 | 135.9 | 135.9 | 11.3 | 12.5 | 0.2 | 0.2 | -13.0 | |
| GEW-055 | 7/20/2018 7:25 | 51.3 | 43.0 | 0.3 | 5.4 | 135.3 | 135.6 | 7.5 | 6.5 | -0.3 | -0.3 | -12.8 | |

| July 2018 Wellfield Monitoring Data - Bridgeton Landfill | | | | | | | | | | | | | |
|--|-----------------|---------|-----------------|----------------|-------------|-----------|----------|-----------|----------|-------------------|------------------|-----------------|--|
| Well Name | Date Sampled | Methane | CO ₂ | O ₂ | Balance Gas | Init Temp | Adj Temp | Init Flow | Adj Flow | Init Static Press | Adj Static Press | System Pressure | |
| | | (% vol) | | | | °F | | scfm | | H ₂ O | | | |
| GEW-055 | 7/20/2018 7:27 | 51.5 | 43.4 | 0.3 | 4.8 | 135.3 | 135.3 | 25.6 | 25.9 | -0.4 | -0.3 | -12.3 | |
| GEW-055 | 7/23/2018 9:29 | 52.6 | 43.0 | 0.1 | 4.3 | 135.6 | 135.6 | 35.2 | 35.2 | -0.4 | -0.4 | -12.8 | |
| GEW-055 | 7/23/2018 9:30 | 51.8 | 43.2 | 0.1 | 4.9 | 135.9 | 135.6 | 7.5 | 7.0 | -0.4 | -0.4 | -12.5 | |
| GEW-055 | 7/27/2018 7:08 | 50.3 | 44.0 | 0.0 | 5.7 | 76.2 | 76.1 | 2.6 | 2.0 | -0.1 | -0.1 | -13.0 | |
| GEW-055 | 7/30/2018 9:12 | 51.9 | 42.4 | 0.0 | 5.7 | 86.8 | 86.8 | 1.6 | 1.6 | -0.02 | -0.02 | -12.7 | |
| GEW-055 | 7/30/2018 9:13 | 50.4 | 43.8 | 0.0 | 5.8 | 93.0 | 92.7 | 2.3 | 2.0 | -0.1 | -0.1 | -12.8 | |
| GEW-056R | 7/3/2018 10:31 | 38.5 | 44.1 | 0.0 | 17.4 | 119.9 | 119.9 | 3.5 | 2.7 | -0.2 | -0.2 | -18.5 | |
| GEW-056R | 7/3/2018 10:37 | 40.9 | 43.3 | 0.0 | 15.8 | 120.2 | 120.2 | 3.6 | 3.1 | -0.2 | -0.2 | -18.4 | |
| GEW-056R | 7/10/2018 10:11 | 36.3 | 51.5 | 0.0 | 12.2 | 123.4 | 123.1 | 0.8 | 0.7 | -0.2 | -0.2 | -18.4 | |
| GEW-056R | 7/20/2018 9:08 | 36.5 | 51.3 | 0.0 | 12.2 | 110.7 | 111.0 | 1.1 | 1.1 | -0.2 | -0.2 | -18.7 | |
| GEW-056R | 7/25/2018 14:25 | 36.3 | 51.2 | 0.0 | 12.5 | 121.5 | 121.7 | 3.1 | 3.1 | -0.2 | -0.2 | -20.7 | |
| GEW-056R | 7/31/2018 11:15 | 38.5 | 49.8 | 0.0 | 11.7 | 102.4 | 102.5 | 3.4 | 3.2 | -0.2 | -0.2 | -19.2 | |
| GEW-057B | 7/11/2018 13:34 | 1.2 | 58.6 | 0.0 | 40.2 | 184.5 | 184.5 | 5.9 | 6.5 | -17.1 | -17.1 | -19.1 | |
| GEW-057B | 7/11/2018 13:40 | 1.0 | 60.0 | 0.0 | 39.0 | 185.1 | 185.1 | 5.5 | 5.6 | -16.9 | -17.1 | -19.3 | |
| GEW-057B | 7/23/2018 13:30 | 1.2 | 57.1 | 0.0 | 41.7 | 159.8 | 159.8 | 5.7 | 7.4 | -18.8 | -18.8 | -18.7 | |
| GEW-057B | 7/23/2018 13:31 | 1.0 | 59.5 | 0.0 | 39.5 | 159.4 | 159.3 | 3.9 | 3.2 | -18.5 | -18.5 | -18.9 | |
| GEW-057R | 7/11/2018 13:44 | 6.5 | 5.6 | 18.1 | 69.8 | 100.1 | 100.0 | 3.6 | 3.6 | -18.1 | -18.1 | -18.9 | |
| GEW-057R | 7/11/2018 13:45 | 6.7 | 4.9 | 18.3 | 70.1 | 98.9 | 98.9 | 3.1 | 3.3 | -18.1 | -18.1 | -18.9 | |
| GEW-057R | 7/23/2018 13:34 | 11.0 | 12.4 | 15.9 | 60.7 | 96.7 | 96.6 | 1.9 | 2.2 | -18.8 | -18.8 | -18.5 | |
| GEW-057R | 7/23/2018 13:35 | 11.3 | 10.8 | 16.2 | 61.7 | 96.0 | 96.0 | 1.1 | 2.4 | -18.5 | -18.5 | -18.7 | |
| GEW-058 | 7/11/2018 9:42 | 21.4 | 43.6 | 0.4 | 34.6 | 94.6 | 94.6 | 3.1 | 3.1 | -0.7 | -0.7 | -18.7 | |
| GEW-058 | 7/11/2018 9:49 | 21.3 | 42.2 | 0.3 | 36.2 | 94.8 | 94.8 | 2.3 | 2.6 | -3.7 | -3.7 | -18.4 | |
| GEW-058A | 7/11/2018 9:32 | 4.7 | 40.2 | 3.6 | 51.5 | 94.5 | 94.5 | 1.7 | 1.7 | -0.5 | -0.5 | -18.9 | |
| GEW-058A | 7/11/2018 9:39 | 4.3 | 43.0 | 3.5 | 49.2 | 95.0 | 95.0 | 3.0 | 2.6 | -0.5 | -0.5 | -19.0 | |
| GEW-059R | 7/11/2018 8:54 | 21.1 | 45.6 | 0.2 | 33.1 | 163.8 | 164.3 | 13.3 | 13.5 | -18.9 | -18.2 | -19.0 | |
| GEW-059R | 7/11/2018 9:00 | 20.9 | 44.6 | 0.2 | 34.3 | 163.3 | 163.3 | 14.7 | 15.4 | -18.2 | -19.2 | -18.9 | |
| GEW-059R | 7/23/2018 11:17 | 22.0 | 48.3 | 0.0 | 29.7 | 164.7 | 164.7 | 11.7 | 12.4 | -20.1 | -19.8 | -19.9 | |
| GEW-059R | 7/23/2018 11:18 | 22.5 | 46.8 | 0.1 | 30.6 | 164.7 | 164.8 | 15.1 | 13.6 | -19.8 | -19.1 | -20.1 | |
| GEW-067A | 7/5/2018 11:55 | 25.5 | 31.9 | 1.4 | 41.2 | 130.3 | 130.5 | 68.1 | 68.1 | -6.3 | -6.3 | -12.9 | |
| GEW-067A | 7/5/2018 12:02 | 21.0 | 31.7 | 1.3 | 46.0 | 130.5 | 130.3 | 51.6 | 48.9 | -4.0 | -3.6 | -18.0 | |
| GEW-068A | 7/12/2018 10:17 | 9.1 | 59.9 | 0.0 | 31.0 | 192.3 | 192.3 | 26.5 | 27.9 | -6.2 | -6.2 | -18.4 | |
| GEW-068A | 7/12/2018 10:23 | 8.8 | 53.8 | 0.0 | 37.4 | 192.3 | 192.3 | 24.9 | 25.0 | -5.9 | -5.9 | -17.5 | |
| GEW-068A | 7/26/2018 8:35 | 0.8 | 63.6 | 0.0 | 35.6 | 199.3 | 199.3 | 40.0 | 46.7 | -3.4 | -3.5 | -19.6 | |
| GEW-068A | 7/26/2018 8:37 | 0.6 | 67.5 | 0.0 | 31.9 | 199.3 | 199.3 | 34.4 | 47.8 | -2.9 | -3.8 | -19.7 | |
| GEW-078R | 7/12/2018 10:09 | 5.1 | 34.5 | 0.0 | 60.4 | 156.5 | 156.5 | 7.1 | 7.3 | -17.1 | -17.1 | -18.5 | |
| GEW-078R | 7/12/2018 10:16 | 5.3 | 32.6 | 0.0 | 62.1 | 156.0 | 156.5 | 6.6 | 6.2 | -17.0 | -17.1 | -18.5 | |
| GEW-078R | 7/27/2018 8:18 | 6.5 | 32.6 | 0.1 | 60.8 | 154.4 | 154.4 | 14.3 | 8.7 | -17.8 | -17.8 | -19.7 | |
| GEW-078R | 7/27/2018 8:19 | 4.7 | 35.2 | 0.0 | 60.1 | 154.8 | 154.5 | 7.6 | 8.0 | -17.7 | -17.7 | -19.6 | |
| GEW-081 | 7/12/2018 14:10 | 4.3 | 22.3 | 12.0 | 61.4 | 108.7 | 108.7 | 4.1 | 3.8 | -18.7 | -18.7 | -18.7 | |
| GEW-081 | 7/12/2018 14:17 | 4.0 | 21.5 | 12.1 | 62.4 | 109.5 | 109.5 | 5.7 | 3.7 | -19.1 | -19.1 | -18.8 | |
| GEW-081 | 7/26/2018 9:29 | 0.4 | 36.8 | 7.4 | 55.4 | 96.2 | 96.2 | 3.4 | 3.6 | -19.3 | -19.3 | -19.2 | |
| GEW-081 | 7/26/2018 9:30 | 0.4 | 41.8 | 6.8 | 51.0 | 96.2 | 96.2 | 2.4 | 2.9 | -19.1 | -19.2 | -19.3 | |

| July 2018 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-082R | 7/12/2018 13:53 | 2.7 | 51.6 | 0.0 | 45.7 | 193.6 | 193.6 | 8.0 | 8.2 | -6.8 | -6.8 | -19.0 | |
| GEW-082R | 7/12/2018 14:01 | 8.2 | 46.7 | 0.0 | 45.1 | 195.7 | 195.7 | 22.9 | 19.5 | -7.4 | -7.4 | -19.7 | |
| GEW-082R | 7/26/2018 9:21 | 11.2 | 44.2 | 0.0 | 44.6 | 177.5 | 177.5 | 5.6 | 5.3 | -11.0 | -11.3 | -19.9 | |
| GEW-082R | 7/26/2018 9:22 | 10.9 | 44.5 | 0.0 | 44.6 | 177.5 | 177.3 | 3.1 | 3.1 | -11.1 | -11.1 | -19.9 | |
| GEW-086 | 7/5/2018 14:04 | 17.9 | 41.0 | 0.8 | 40.3 | 114.0 | 114.0 | 8.7 | 8.8 | -0.2 | -0.2 | -20.4 | |
| GEW-086 | 7/5/2018 14:11 | 19.2 | 40.9 | 0.7 | 39.2 | 109.5 | 109.5 | 8.4 | 8.6 | -0.2 | -0.2 | -20.4 | |
| GEW-087 | 7/11/2018 10:01 | 6.9 | 26.0 | 3.7 | 63.4 | 135.7 | 135.9 | NFD | NFD | -18.5 | -18.5 | -18.6 | |
| GEW-087 | 7/11/2018 10:08 | 6.3 | 25.9 | 3.4 | 64.4 | 135.5 | 135.3 | NFD | NFD | -18.5 | -18.5 | -18.5 | |
| GEW-087 | 7/23/2018 13:43 | 3.8 | 21.9 | 6.2 | 68.1 | 132.9 | 132.9 | NFD | NFD | -18.8 | -18.5 | -18.9 | |
| GEW-087 | 7/23/2018 13:44 | 3.5 | 22.4 | 6.3 | 67.8 | 133.2 | 133.2 | NFD | NFD | -19.1 | -18.8 | -19.2 | |
| GEW-088 | 7/17/2018 8:49 | 11.3 | 49.3 | 0.5 | 38.9 | 180.3 | 180.3 | 9.9 | 9.7 | -4.7 | -4.7 | -19.8 | |
| GEW-088 | 7/17/2018 8:54 | 11.8 | 47.3 | 0.5 | 40.4 | 179.8 | 179.8 | 10.9 | 10.0 | -4.8 | -4.8 | -19.0 | |
| GEW-088 | 7/31/2018 7:38 | 6.5 | 49.4 | 0.1 | 44.0 | 192.6 | 192.6 | 2.9 | 4.1 | -1.3 | -1.3 | -20.1 | |
| GEW-088 | 7/31/2018 7:39 | 6.4 | 52.5 | 0.0 | 41.1 | 192.9 | 192.9 | 3.6 | 3.7 | -1.3 | -1.3 | -19.7 | |
| GEW-090 | 7/5/2018 11:21 | 32.7 | 43.3 | 0.9 | 23.1 | 166.1 | 166.1 | 4.5 | 8.9 | -17.6 | -17.6 | -17.9 | |
| GEW-090 | 7/5/2018 11:27 | 34.3 | 41.9 | 0.9 | 22.9 | 167.6 | 167.6 | 7.2 | 7.0 | -18.5 | -18.5 | -19.0 | |
| GEW-090 | 7/19/2018 11:42 | 21.1 | 45.2 | 0.9 | 32.8 | 165.2 | 165.2 | 7.6 | 10.5 | -17.7 | -17.7 | -18.7 | |
| GEW-090 | 7/19/2018 11:43 | 20.8 | 46.6 | 0.9 | 31.7 | 165.1 | 165.0 | 9.8 | 12.0 | -17.7 | -17.7 | -18.8 | |
| GEW-091 | 7/5/2018 10:04 | 5.2 | 37.3 | 5.6 | 51.9 | 191.3 | 191.6 | 40.3 | 40.3 | -2.5 | -2.5 | -15.4 | |
| GEW-091 | 7/5/2018 10:11 | 6.1 | 39.5 | 4.8 | 49.6 | 192.8 | 192.3 | 32.4 | 31.7 | -1.5 | -1.5 | -15.6 | |
| GEW-091 | 7/19/2018 11:33 | 2.3 | 38.3 | 6.1 | 53.3 | 190.2 | 190.2 | 21.7 | 22.0 | -1.9 | -1.9 | -14.8 | |
| GEW-091 | 7/19/2018 11:35 | 2.3 | 39.9 | 5.8 | 52.0 | 190.2 | 190.2 | 20.9 | 21.2 | -1.7 | -1.7 | -15.8 | |
| GEW-100 | 7/12/2018 10:54 | 1.1 | 51.7 | 4.5 | 42.7 | 102.5 | 102.5 | 4.9 | 7.9 | -16.1 | -16.1 | -18.9 | |
| GEW-100 | 7/12/2018 11:02 | 1.6 | 48.6 | 4.8 | 45.0 | 104.1 | 104.2 | 4.0 | 0.7 | -16.3 | -16.3 | -19.3 | |
| GEW-101 | 7/12/2018 8:39 | 18.7 | 49.0 | 5.8 | 26.5 | 110.0 | 110.0 | 3.0 | 3.0 | -0.1 | -0.1 | -19.0 | |
| GEW-101 | 7/12/2018 8:45 | 18.7 | 47.7 | 5.8 | 27.8 | 111.0 | 110.9 | 2.0 | 3.7 | -0.1 | -0.1 | -18.2 | |
| GEW-101 | 7/24/2018 7:26 | 18.5 | 45.6 | 6.1 | 29.8 | 105.5 | 105.4 | 1.7 | 4.5 | -0.1 | -0.1 | -18.3 | |
| GEW-101 | 7/24/2018 7:27 | 18.1 | 48.4 | 6.0 | 27.5 | 105.7 | 105.7 | 2.1 | 3.8 | -0.1 | -0.1 | -19.7 | |
| GEW-102 | 7/12/2018 8:25 | 13.9 | 57.0 | 0.0 | 29.1 | 87.7 | 87.7 | 2.6 | 3.1 | -17.0 | -17.0 | -19.2 | |
| GEW-102 | 7/12/2018 8:32 | 14.6 | 54.8 | 0.1 | 30.5 | 87.2 | 87.2 | 2.0 | 1.8 | -17.0 | -17.0 | -19.2 | |
| GEW-104 | 7/12/2018 9:45 | 44.2 | 46.4 | 0.0 | 9.4 | 151.3 | 151.3 | 3.4 | 4.6 | -5.9 | -5.9 | -9.0 | |
| GEW-104 | 7/12/2018 9:52 | 44.6 | 43.7 | 0.0 | 11.7 | 160.2 | 160.2 | 2.4 | 1.6 | -5.9 | -6.2 | -9.0 | |
| GEW-104 | 7/26/2018 8:27 | 43.7 | 43.3 | 0.0 | 13.0 | 162.0 | 162.1 | 3.7 | 4.9 | -9.6 | -9.6 | -16.7 | |
| GEW-104 | 7/26/2018 8:28 | 43.1 | 45.4 | 0.0 | 11.5 | 162.4 | 162.4 | 5.4 | 4.2 | -9.9 | -9.9 | -17.3 | |
| GEW-105 | 7/11/2018 10:19 | 22.2 | 45.3 | 4.7 | 27.8 | 145.6 | 146.1 | 3.4 | 4.4 | -5.0 | -5.0 | -19.7 | |
| GEW-105 | 7/11/2018 10:25 | 23.4 | 41.9 | 4.8 | 29.9 | 145.2 | 144.9 | 5.4 | 3.4 | -4.8 | -4.8 | -19.6 | |
| GEW-105 | 7/23/2018 11:33 | 16.5 | 43.9 | 5.4 | 34.2 | 141.9 | 141.8 | 4.2 | 3.6 | -4.9 | -4.9 | -19.8 | |
| GEW-105 | 7/23/2018 11:35 | 16.8 | 41.8 | 5.5 | 35.9 | 135.9 | 135.9 | 1.5 | 1.8 | -1.8 | -1.8 | -19.4 | |
| GEW-106 | 7/11/2018 9:57 | 8.7 | 58.9 | 0.6 | 31.8 | 194.0 | 194.1 | 12.5 | 12.7 | -17.5 | -16.5 | -18.9 | |
| GEW-106 | 7/11/2018 10:04 | 11.2 | 60.9 | 0.3 | 27.6 | 193.5 | 193.2 | 17.9 | 13.5 | -17.7 | -17.1 | -18.4 | |
| GEW-106 | 7/23/2018 11:25 | 11.3 | 49.8 | 2.2 | 36.7 | 180.3 | 180.3 | 5.5 | 5.9 | -18.1 | -18.1 | -19.4 | |
| GEW-106 | 7/23/2018 11:26 | 10.6 | 51.3 | 2.2 | 35.9 | 180.3 | 180.3 | 7.3 | 7.6 | -18.1 | -18.4 | -19.8 | |

| July 2018 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-107 | 7/11/2018 9:06 | 14.2 | 58.5 | 0.0 | 27.3 | 162.1 | 162.0 | 7.9 | 7.5 | -4.6 | -4.5 | -19.1 | |
| GEW-107 | 7/11/2018 9:13 | 13.5 | 60.4 | 0.0 | 26.1 | 163.8 | 164.3 | 5.3 | 10.4 | -4.4 | -4.3 | -19.2 | |
| GEW-107 | 7/23/2018 11:12 | 13.2 | 57.4 | 0.0 | 29.4 | 173.6 | 173.8 | 9.7 | 9.2 | -3.4 | -3.4 | -19.4 | |
| GEW-107 | 7/23/2018 11:14 | 11.9 | 61.1 | 0.0 | 27.0 | 173.6 | 173.5 | 8.8 | 8.5 | -3.3 | -3.4 | -19.6 | |
| GEW-108 | 7/11/2018 8:33 | 39.7 | 48.6 | 0.2 | 11.5 | 138.7 | 138.7 | 4.2 | 2.2 | -16.9 | -16.8 | -19.8 | |
| GEW-108 | 7/11/2018 8:39 | 38.8 | 48.4 | 0.1 | 12.7 | 140.9 | 140.9 | 3.6 | 2.3 | -17.1 | -17.1 | -19.2 | |
| GEW-108 | 7/23/2018 11:08 | 38.9 | 48.7 | 0.0 | 12.4 | 143.5 | 143.5 | 3.9 | 3.8 | -18.1 | -17.9 | -20.4 | |
| GEW-108 | 7/23/2018 11:09 | 38.6 | 49.0 | 0.0 | 12.4 | 143.9 | 143.9 | 5.0 | 3.3 | -17.7 | -17.7 | -19.9 | |
| GEW-109 | 7/3/2018 10:02 | 31.8 | 40.2 | 0.1 | 27.9 | 130.0 | 130.0 | 2.1 | 4.0 | -7.0 | -7.0 | -18.5 | |
| GEW-109 | 7/3/2018 10:09 | 31.7 | 39.4 | 0.0 | 28.9 | 130.4 | 130.3 | 3.0 | 3.3 | -7.3 | -7.3 | -18.4 | |
| GEW-109 | 7/10/2018 10:51 | 29.6 | 43.3 | 0.0 | 27.1 | 131.8 | 132.0 | 2.7 | 3.9 | -6.9 | -6.9 | -19.2 | |
| GEW-109 | 7/10/2018 10:52 | 30.2 | 43.8 | 0.0 | 26.0 | 132.3 | 132.0 | 5.6 | 4.4 | -6.9 | -6.9 | -19.3 | |
| GEW-109 | 7/20/2018 10:25 | 30.7 | 43.5 | 0.0 | 25.8 | 126.1 | 126.0 | 2.8 | 3.2 | -6.9 | -6.9 | -19.6 | |
| GEW-109 | 7/26/2018 7:48 | 30.9 | 42.4 | 0.2 | 26.5 | 122.9 | 122.9 | 4.0 | 4.9 | -6.9 | -6.9 | -19.9 | |
| GEW-109 | 7/31/2018 13:54 | 31.8 | 41.0 | 0.5 | 26.7 | 119.7 | 119.7 | 1.9 | 5.4 | -7.3 | -7.3 | -19.8 | |
| GEW-110 | 7/2/2018 14:43 | 21.9 | 38.6 | 3.8 | 35.7 | 118.1 | 118.1 | 3.1 | 6.3 | -0.1 | -0.1 | -19.0 | |
| GEW-110 | 7/2/2018 14:49 | 23.0 | 41.2 | 3.1 | 32.7 | 116.3 | 116.3 | 3.7 | 3.7 | -0.1 | -0.1 | -19.2 | |
| GEW-110 | 7/10/2018 10:04 | 23.4 | 45.2 | 1.0 | 30.4 | 115.4 | 115.3 | 1.2 | 1.8 | -0.1 | -0.1 | -18.7 | |
| GEW-110 | 7/20/2018 9:01 | 20.9 | 42.1 | 4.5 | 32.5 | 103.8 | 103.8 | 4.4 | 1.6 | -0.1 | -0.1 | -19.0 | |
| GEW-110 | 7/25/2018 14:17 | 22.2 | 35.9 | 4.0 | 37.9 | 112.7 | 112.7 | 2.2 | 4.3 | -0.1 | -0.1 | -20.2 | |
| GEW-110 | 7/31/2018 11:07 | 17.3 | 25.2 | 7.9 | 49.6 | 86.1 | 86.1 | 2.3 | 2.3 | -0.1 | -0.1 | -18.9 | |
| GEW-110 | 7/31/2018 11:08 | 17.0 | 24.4 | 8.0 | 50.6 | 85.8 | 85.6 | 1.2 | 1.2 | -0.1 | -0.1 | -18.9 | |
| GEW-113 | 7/11/2018 10:47 | 21.5 | 50.0 | 0.9 | 27.6 | 149.9 | 149.9 | 11.7 | 11.1 | -3.2 | -3.2 | -18.4 | |
| GEW-113 | 7/11/2018 10:55 | 21.5 | 50.8 | 0.9 | 26.8 | 150.2 | 150.2 | 11.1 | 11.1 | -3.2 | -3.2 | -18.5 | |
| GEW-113 | 7/23/2018 13:50 | 11.2 | 54.6 | 1.1 | 33.1 | 150.4 | 150.6 | 12.0 | 14.8 | -3.3 | -3.3 | -19.1 | |
| GEW-113 | 7/23/2018 13:52 | 10.9 | 56.5 | 1.1 | 31.5 | 150.2 | 150.2 | 15.1 | 13.3 | -3.3 | -3.3 | -19.9 | |
| GEW-116 | 7/13/2018 8:22 | 13.6 | 56.4 | 0.4 | 29.6 | 191.4 | 191.4 | 16.8 | 22.1 | -6.3 | -6.3 | -19.3 | |
| GEW-116 | 7/13/2018 8:29 | 15.9 | 55.1 | 0.4 | 28.6 | 191.0 | 191.0 | 20.2 | 17.8 | -6.3 | -6.3 | -19.7 | |
| GEW-116 | 7/27/2018 8:23 | 13.5 | 62.7 | 0.2 | 23.6 | 191.0 | 191.0 | 21.6 | 24.2 | -4.4 | -4.4 | -21.6 | |
| GEW-116 | 7/27/2018 8:24 | 13.1 | 65.4 | 0.2 | 21.3 | 190.9 | 191.0 | 22.6 | 20.9 | -4.6 | -4.5 | -20.7 | |
| GEW-117 | 7/13/2018 8:06 | 46.7 | 47.8 | 0.1 | 5.4 | 116.8 | 116.8 | 5.6 | 7.0 | -18.5 | -18.5 | -19.4 | |
| GEW-117 | 7/13/2018 8:16 | 45.1 | 49.0 | 0.0 | 5.9 | 118.3 | 118.1 | 3.1 | 7.2 | -18.5 | -18.5 | -19.1 | |
| GEW-118 | 7/17/2018 8:54 | 1.8 | 54.1 | 0.3 | 43.8 | 196.4 | 196.4 | 18.5 | 17.9 | -0.5 | -0.5 | -18.7 | |
| GEW-118 | 7/17/2018 9:02 | 3.7 | 52.9 | 0.0 | 43.4 | 197.2 | 197.3 | 19.6 | 20.2 | -0.6 | -0.6 | -18.8 | |
| GEW-118 | 7/31/2018 8:26 | 1.7 | 59.3 | 0.0 | 39.0 | 194.3 | 194.3 | 1.9 | 2.9 | -0.1 | -0.1 | -19.4 | |
| GEW-118 | 7/31/2018 8:29 | 1.7 | 58.5 | 0.1 | 39.7 | 189.8 | 190.2 | 3.9 | 2.6 | -0.1 | -0.03 | -19.6 | |
| GEW-120 | 7/17/2018 9:39 | 23.0 | 59.3 | 0.1 | 17.6 | 154.8 | 154.0 | 5.2 | 5.3 | -1.1 | -1.1 | -18.7 | |
| GEW-120 | 7/17/2018 9:45 | 23.1 | 57.5 | 0.2 | 19.2 | 159.4 | 159.4 | 8.6 | 7.6 | -1.8 | -1.8 | -18.6 | |
| GEW-120 | 7/31/2018 8:21 | 19.6 | 59.4 | 0.0 | 21.0 | 152.5 | 152.5 | 8.4 | 9.5 | -2.2 | -2.2 | -19.4 | |
| GEW-120 | 7/31/2018 8:23 | 19.8 | 60.6 | 0.0 | 19.6 | 152.5 | 152.5 | 8.8 | 7.9 | -2.2 | -2.2 | -19.4 | |
| GEW-121 | 7/13/2018 9:33 | 10.3 | 43.7 | 0.9 | 45.1 | 173.9 | 174.0 | 19.8 | 25.6 | -13.7 | -14.1 | -17.4 | |
| GEW-121 | 7/13/2018 9:39 | 10.0 | 44.1 | 0.9 | 45.0 | 174.7 | 174.7 | 21.9 | 19.1 | -13.7 | -13.6 | -17.4 | |

| July 2018 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-121 | 7/26/2018 14:29 | 12.0 | 43.5 | 0.8 | 43.7 | 174.7 | 174.7 | 24.1 | 17.6 | -14.3 | -13.9 | -19.4 | |
| GEW-121 | 7/26/2018 14:30 | 11.3 | 45.2 | 0.8 | 42.7 | 174.8 | 174.8 | 15.2 | 19.6 | -13.7 | -12.8 | -19.1 | |
| GEW-122 | 7/13/2018 11:01 | 15.5 | 36.8 | 0.6 | 47.1 | 151.0 | 151.0 | 61.9 | 61.8 | -11.2 | -11.2 | -18.0 | |
| GEW-122 | 7/13/2018 11:14 | 16.5 | 36.2 | 0.6 | 46.7 | 151.3 | 151.2 | 60.6 | 60.7 | -11.2 | -11.2 | -17.9 | |
| GEW-122 | 7/26/2018 14:39 | 17.9 | 39.3 | 0.5 | 42.3 | 147.3 | 147.3 | 63.9 | 64.2 | -12.3 | -12.3 | -19.1 | |
| GEW-122 | 7/26/2018 14:40 | 18.5 | 39.1 | 0.5 | 41.9 | 147.3 | 147.3 | 62.8 | 62.6 | -12.7 | -12.7 | -19.1 | |
| GEW-123 | 7/13/2018 9:44 | 17.4 | 47.0 | 0.0 | 35.6 | 130.3 | 130.0 | 3.2 | 1.5 | -8.2 | -8.2 | -18.5 | |
| GEW-123 | 7/13/2018 9:50 | 16.5 | 45.5 | 0.0 | 38.0 | 129.4 | 129.4 | 4.2 | 2.1 | -7.9 | -8.0 | -18.7 | |
| GEW-124 | 7/13/2018 10:40 | 43.6 | 30.3 | 5.6 | 20.5 | 98.6 | 98.4 | 4.8 | 2.7 | -12.1 | -12.1 | -12.1 | |
| GEW-124 | 7/13/2018 10:46 | 43.5 | 30.3 | 6.0 | 20.2 | 99.4 | 99.4 | 1.9 | 2.7 | -11.7 | -11.7 | -11.7 | |
| GEW-124 | 7/26/2018 14:25 | 49.3 | 34.1 | 4.8 | 11.8 | 83.7 | 83.7 | 4.4 | 3.0 | -13.3 | -13.3 | -13.3 | |
| GEW-125 | 7/13/2018 11:29 | 6.5 | 51.7 | 0.7 | 41.1 | 179.9 | 180.3 | 5.8 | 6.2 | -1.5 | -1.5 | -18.6 | |
| GEW-125 | 7/13/2018 11:35 | 9.1 | 42.4 | 0.8 | 47.7 | 179.7 | 179.7 | 13.9 | 4.3 | -1.5 | -1.5 | -18.4 | |
| GEW-125 | 7/26/2018 14:15 | 5.9 | 52.3 | 1.2 | 40.6 | 173.6 | 173.6 | 5.5 | 8.2 | -1.7 | -1.7 | -19.4 | |
| GEW-125 | 7/26/2018 14:16 | 6.1 | 53.4 | 1.1 | 39.4 | 173.6 | 173.9 | 6.2 | 5.9 | -1.7 | -1.7 | -19.1 | |
| GEW-126 | 7/17/2018 9:34 | 28.3 | 47.7 | 0.5 | 23.5 | 120.5 | 120.7 | 19.9 | 19.6 | -3.8 | -3.6 | -3.1 | |
| GEW-126 | 7/17/2018 9:41 | 26.2 | 46.8 | 0.5 | 26.5 | 121.2 | 121.0 | 14.7 | 16.6 | -3.6 | -3.8 | -2.7 | |
| GEW-127 | 7/17/2018 9:02 | 9.4 | 58.0 | 1.1 | 31.5 | 177.5 | 177.6 | 11.5 | 9.4 | -1.4 | -1.4 | -18.8 | |
| GEW-127 | 7/17/2018 9:08 | 9.6 | 56.6 | 1.1 | 32.7 | 177.7 | 177.9 | 9.6 | 10.4 | -1.4 | -1.4 | -18.6 | |
| GEW-127 | 7/31/2018 8:35 | 9.2 | 61.4 | 0.6 | 28.8 | 174.0 | 174.0 | 10.7 | 10.9 | -1.5 | -1.5 | -19.4 | |
| GEW-127 | 7/31/2018 8:37 | 9.7 | 62.4 | 0.6 | 27.3 | 174.2 | 174.2 | 9.7 | 9.7 | -1.5 | -1.5 | -19.5 | |
| GEW-128 | 7/13/2018 13:57 | 9.7 | 51.8 | 2.5 | 36.0 | 180.9 | 180.9 | 5.3 | 3.6 | -0.4 | -0.3 | -19.5 | |
| GEW-128 | 7/13/2018 14:05 | 11.2 | 50.9 | 2.4 | 35.5 | 180.9 | 180.9 | 7.8 | 7.8 | -0.3 | -0.3 | -19.7 | |
| GEW-128 | 7/26/2018 14:02 | 12.5 | 48.1 | 4.5 | 34.9 | 176.9 | 176.9 | 8.0 | 9.6 | -0.4 | -0.4 | -19.3 | |
| GEW-128 | 7/26/2018 14:04 | 12.8 | 49.4 | 4.5 | 33.3 | 176.9 | 176.9 | 9.3 | 9.4 | -0.4 | -0.4 | -19.5 | |
| GEW-129 | 7/13/2018 10:15 | 0.8 | 69.9 | 0.1 | 29.2 | 190.2 | 190.3 | 5.4 | 5.4 | -0.4 | -0.4 | -10.2 | |
| GEW-129 | 7/13/2018 11:33 | 2.6 | 69.0 | 0.0 | 28.4 | 194.0 | 195.0 | 5.6 | 5.4 | -0.5 | -0.5 | -10.0 | |
| GEW-129 | 7/26/2018 13:46 | 11.1 | 58.5 | 0.1 | 30.3 | 171.0 | 171.0 | 7.5 | 8.7 | -3.8 | -3.8 | -19.3 | |
| GEW-129 | 7/26/2018 13:48 | 11.0 | 60.4 | 0.0 | 28.6 | 171.6 | 171.1 | 8.0 | 7.9 | -3.8 | -3.8 | -19.2 | |
| GEW-130 | 7/17/2018 9:11 | 8.6 | 54.5 | 1.6 | 35.3 | 186.4 | 185.7 | 20.9 | 24.6 | -2.2 | -2.2 | -19.4 | |
| GEW-130 | 7/17/2018 9:17 | 8.9 | 51.3 | 1.7 | 38.1 | 185.9 | 185.9 | 18.3 | 21.2 | -2.2 | -2.2 | -18.6 | |
| GEW-130 | 7/31/2018 8:39 | 7.6 | 55.1 | 2.5 | 34.8 | 185.1 | 185.1 | 17.3 | 26.2 | -2.5 | -2.5 | -19.6 | |
| GEW-130 | 7/31/2018 8:41 | 7.5 | 54.1 | 2.5 | 35.9 | 185.1 | 185.1 | 20.5 | 20.5 | -2.5 | -2.5 | -19.1 | |
| GEW-131 | 7/17/2018 9:24 | 24.5 | 42.8 | 0.1 | 32.6 | 156.0 | 156.0 | 11.7 | 10.0 | -11.3 | -11.2 | -17.2 | |
| GEW-131 | 7/17/2018 9:30 | 25.0 | 41.4 | 0.1 | 33.5 | 156.7 | 156.6 | 12.0 | 12.9 | -11.3 | -11.3 | -17.3 | |
| GEW-131 | 7/31/2018 8:43 | 23.5 | 45.5 | 0.0 | 31.0 | 153.3 | 153.3 | 12.3 | 11.9 | -12.1 | -11.7 | -17.9 | |
| GEW-131 | 7/31/2018 8:45 | 24.7 | 43.7 | 0.0 | 31.6 | 153.3 | 153.3 | 11.5 | 11.9 | -11.8 | -11.8 | -18.2 | |
| GEW-132 | 7/12/2018 13:43 | 2.2 | 48.4 | 0.2 | 49.2 | 174.7 | 175.3 | 0.0 | 1.4 | -0.02 | -0.02 | -19.0 | |
| GEW-132 | 7/12/2018 13:49 | 4.0 | 46.4 | 0.1 | 49.5 | 174.7 | 174.7 | 2.8 | 2.2 | -0.03 | -0.02 | -19.0 | |
| GEW-132 | 7/26/2018 9:25 | 2.1 | 37.7 | 3.3 | 56.9 | 165.0 | 164.7 | 1.8 | 2.0 | -0.3 | -0.2 | -19.7 | |
| GEW-132 | 7/26/2018 9:26 | 1.9 | 37.5 | 3.3 | 57.3 | 164.9 | 165.2 | 2.0 | 1.4 | -0.3 | -0.3 | -19.3 | |
| GEW-133 | 7/13/2018 8:33 | 14.5 | 47.3 | 0.4 | 37.8 | 166.1 | 166.1 | 44.2 | 36.9 | -11.0 | -10.7 | -17.9 | |

| July 2018 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-133 | 7/13/2018 8:40 | 15.5 | 49.9 | 0.4 | 34.2 | 166.7 | 166.7 | 45.8 | 34.4 | -10.7 | -10.7 | -18.4 | |
| GEW-133 | 7/27/2018 8:27 | 10.6 | 53.9 | 0.0 | 35.5 | 166.8 | 167.0 | 35.9 | 47.9 | -10.1 | -10.1 | -16.7 | |
| GEW-133 | 7/27/2018 8:29 | 10.6 | 53.1 | 0.0 | 36.3 | 167.1 | 167.1 | 47.7 | 40.3 | -10.1 | -10.3 | -17.9 | |
| GEW-134 | 7/12/2018 11:38 | 17.2 | 44.4 | 1.1 | 37.3 | 159.4 | 159.6 | 7.9 | 12.0 | -0.5 | -0.7 | -18.5 | |
| GEW-134 | 7/12/2018 11:48 | 19.5 | 42.4 | 1.1 | 37.0 | 160.2 | 160.2 | 3.4 | 3.4 | -0.4 | -0.4 | -18.6 | |
| GEW-134 | 7/26/2018 9:16 | 14.6 | 44.7 | 1.6 | 39.1 | 161.1 | 161.1 | 5.3 | 4.6 | -0.6 | -0.6 | -19.5 | |
| GEW-134 | 7/26/2018 9:17 | 14.9 | 45.0 | 1.6 | 38.5 | 161.6 | 161.6 | 3.5 | 4.1 | -0.6 | -0.6 | -19.8 | |
| GEW-135 | 7/12/2018 11:26 | 7.6 | 42.0 | 1.7 | 48.7 | 152.3 | 152.5 | 20.7 | 23.9 | -4.0 | -4.2 | -19.0 | |
| GEW-135 | 7/12/2018 11:33 | 9.1 | 41.7 | 1.6 | 47.6 | 152.5 | 152.5 | 24.4 | 10.4 | -4.2 | -3.5 | -18.9 | |
| GEW-135 | 7/26/2018 9:12 | 6.1 | 43.9 | 1.7 | 48.3 | 152.1 | 152.5 | 20.1 | 22.6 | -4.1 | -4.3 | -20.3 | |
| GEW-135 | 7/26/2018 9:13 | 6.1 | 45.8 | 1.6 | 46.5 | 152.1 | 152.2 | 24.2 | 21.1 | -4.4 | -4.2 | -20.2 | |
| GEW-136 | 7/11/2018 14:08 | 8.8 | 23.9 | 10.0 | 57.3 | 132.6 | 132.6 | 9.3 | 4.7 | -0.1 | -0.1 | -17.1 | |
| GEW-136 | 7/11/2018 14:15 | 9.0 | 22.9 | 9.9 | 58.2 | 132.9 | 132.9 | 4.7 | 13.1 | -0.1 | -0.3 | -17.1 | |
| GEW-136 | 7/23/2018 14:02 | 5.6 | 25.0 | 10.8 | 58.6 | 129.8 | 130.0 | 1.1 | 3.2 | -0.1 | -0.1 | -17.0 | |
| GEW-136 | 7/23/2018 14:03 | 5.2 | 23.0 | 10.9 | 60.9 | 130.0 | 130.0 | 2.1 | 1.5 | -0.1 | -0.1 | -17.2 | |
| GEW-137 | 7/11/2018 14:20 | 27.8 | 33.9 | 1.5 | 36.8 | 114.1 | 114.1 | 2.6 | 1.1 | -17.6 | -17.7 | -19.1 | |
| GEW-137 | 7/11/2018 14:27 | 26.3 | 33.9 | 1.5 | 38.3 | 114.3 | 114.3 | 3.8 | 2.6 | -18.6 | -18.6 | -20.0 | |
| GEW-138 | 7/12/2018 9:56 | 5.1 | 26.7 | 4.0 | 64.2 | 136.5 | 136.5 | 3.5 | 4.6 | -0.1 | -0.2 | -18.8 | |
| GEW-138 | 7/12/2018 10:05 | 5.4 | 27.0 | 3.9 | 63.7 | 136.6 | 136.7 | 4.4 | 2.6 | -0.2 | -0.2 | -18.0 | |
| GEW-138 | 7/26/2018 9:03 | 5.0 | 24.6 | 5.5 | 64.9 | 133.1 | 133.2 | 2.4 | 1.1 | -0.2 | -0.2 | -19.5 | |
| GEW-138 | 7/26/2018 9:04 | 5.0 | 25.0 | 5.4 | 64.6 | 132.0 | 132.6 | 2.4 | 1.1 | -0.2 | -0.1 | -19.7 | |
| GEW-139 | 7/13/2018 9:12 | 7.1 | 54.7 | 0.4 | 37.8 | 184.5 | 184.5 | 9.5 | 8.5 | -6.4 | -6.2 | -18.7 | |
| GEW-139 | 7/13/2018 9:17 | 6.7 | 51.3 | 0.2 | 41.8 | 185.1 | 184.9 | 12.5 | 9.9 | -6.6 | -6.7 | -18.5 | |
| GEW-139 | 7/26/2018 10:54 | 19.5 | 47.5 | 0.7 | 32.3 | 183.7 | 183.4 | 32.6 | 31.8 | -7.7 | -7.7 | -19.2 | |
| GEW-139 | 7/26/2018 10:56 | 20.6 | 46.8 | 0.7 | 31.9 | 183.9 | 183.9 | 32.2 | 29.8 | -7.8 | -7.8 | -19.3 | |
| GEW-140 | 7/13/2018 8:51 | 15.7 | 55.6 | 0.1 | 28.6 | 188.3 | 188.3 | 22.6 | 22.8 | -5.0 | -5.0 | -19.2 | |
| GEW-140 | 7/13/2018 8:57 | 15.8 | 53.3 | 0.1 | 30.8 | 188.4 | 188.6 | 21.8 | 23.3 | -5.0 | -5.0 | -18.8 | |
| GEW-140 | 7/26/2018 10:46 | 24.6 | 47.0 | 0.0 | 28.4 | 188.9 | 188.9 | 22.4 | 20.0 | -5.3 | -5.3 | -20.8 | |
| GEW-140 | 7/26/2018 10:48 | 27.3 | 49.7 | 0.0 | 23.0 | 188.9 | 188.9 | 24.2 | 24.8 | -5.3 | -5.3 | -20.7 | |
| GEW-141 | 7/13/2018 9:03 | 0.1 | 8.9 | 18.4 | 72.6 | 101.8 | 101.8 | 0.9 | 0.9 | -0.1 | -0.1 | -18.9 | |
| GEW-141 | 7/13/2018 9:05 | 0.1 | 7.7 | 18.5 | 73.7 | 102.9 | 103.0 | 0.9 | 2.7 | -0.1 | -0.1 | -18.9 | |
| GEW-141 | 7/26/2018 13:38 | 0.1 | 21.2 | 14.1 | 64.6 | 91.4 | 91.4 | 4.5 | 4.5 | -0.1 | -0.1 | -19.1 | |
| GEW-141 | 7/26/2018 13:39 | 0.1 | 21.0 | 14.3 | 64.6 | 91.4 | 91.4 | 3.8 | 3.0 | -0.1 | -0.1 | -19.0 | |
| GEW-142 | 7/13/2018 8:30 | 0.0 | 1.0 | 21.3 | 77.7 | 95.0 | 95.3 | 2.4 | 2.1 | -0.1 | -0.1 | -19.2 | |
| GEW-142 | 7/13/2018 8:31 | 0.0 | 0.1 | 21.5 | 78.4 | 97.9 | 97.9 | 1.3 | 0.7 | -0.1 | -0.1 | -18.9 | |
| GEW-142 | 7/26/2018 11:30 | 0.3 | 0.1 | 20.9 | 78.7 | 97.0 | 97.0 | 4.3 | 10.1 | -0.1 | -0.1 | -19.5 | |
| GEW-142 | 7/26/2018 11:32 | 0.3 | 0.1 | 20.9 | 78.7 | 96.8 | 96.8 | 9.4 | 6.4 | -0.1 | -0.1 | -19.5 | |
| GEW-143 | 7/12/2018 10:38 | 0.2 | 21.0 | 13.2 | 65.6 | 106.8 | 106.8 | 1.4 | 0.9 | -0.3 | -0.3 | -18.2 | |
| GEW-143 | 7/12/2018 10:47 | 0.2 | 17.5 | 13.6 | 68.7 | 107.0 | 107.0 | 2.4 | 2.4 | -0.3 | -0.3 | -19.2 | |
| GEW-143 | 7/26/2018 8:53 | 0.3 | 8.5 | 18.0 | 73.2 | 90.1 | 90.3 | 2.8 | 1.2 | -0.1 | -0.1 | -19.1 | |
| GEW-143 | 7/26/2018 8:54 | 0.2 | 7.6 | 18.0 | 74.2 | 91.0 | 91.0 | 1.2 | 1.6 | -0.2 | -0.1 | -19.2 | |
| GEW-144 | 7/12/2018 8:50 | 30.6 | 32.2 | 7.9 | 29.3 | 93.3 | 93.2 | 4.4 | 2.3 | -18.7 | -18.7 | -19.0 | |

| July 2018 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-144 | 7/12/2018 8:57 | 30.0 | 29.4 | 7.7 | 32.9 | 91.3 | 91.2 | 3.5 | 1.8 | -18.7 | -18.6 | -19.0 | |
| GEW-144 | 7/26/2018 8:48 | 31.1 | 27.5 | 8.3 | 33.1 | 90.3 | 90.3 | 6.0 | 4.5 | -18.7 | -19.0 | -19.0 | |
| GEW-144 | 7/26/2018 8:49 | 33.1 | 29.2 | 7.8 | 29.9 | 91.1 | 91.1 | 5.0 | 1.1 | -18.7 | -18.7 | -19.0 | |
| GEW-145 | 7/12/2018 8:13 | 5.8 | 50.5 | 0.2 | 43.5 | 118.6 | 118.6 | 6.5 | 6.6 | -16.3 | -16.3 | -18.9 | |
| GEW-145 | 7/12/2018 8:20 | 5.6 | 57.2 | 0.0 | 37.2 | 118.6 | 118.6 | 4.6 | 3.7 | -16.6 | -16.6 | -19.2 | |
| GEW-146 | 7/11/2018 11:33 | 10.8 | 7.6 | 13.7 | 67.9 | 105.2 | 105.2 | 8.2 | 8.3 | -0.1 | -0.04 | -19.9 | |
| GEW-146 | 7/11/2018 11:40 | 8.7 | 7.2 | 14.0 | 70.1 | 105.8 | 105.8 | 8.3 | 8.2 | -0.1 | -0.1 | -20.0 | |
| GEW-146 | 7/23/2018 14:10 | 3.3 | 10.8 | 11.9 | 74.0 | 105.0 | 105.0 | 9.2 | 7.3 | -0.03 | -0.03 | -19.7 | |
| GEW-146 | 7/23/2018 14:11 | 3.2 | 9.7 | 12.0 | 75.1 | 105.0 | 105.2 | 7.6 | 7.7 | -0.04 | -0.04 | -20.3 | |
| GEW-147 | 7/11/2018 13:55 | 13.0 | 44.1 | 0.2 | 42.7 | 181.4 | 181.5 | 34.5 | 36.5 | -14.3 | -14.4 | -18.8 | |
| GEW-147 | 7/11/2018 14:03 | 14.3 | 44.5 | 0.1 | 41.1 | 181.5 | 181.5 | 36.4 | 36.4 | -14.2 | -14.2 | -1.5 | |
| GEW-147 | 7/23/2018 13:58 | 11.3 | 50.5 | 0.0 | 38.2 | 179.7 | 179.7 | 36.1 | 37.5 | -15.4 | -15.1 | -19.4 | |
| GEW-147 | 7/23/2018 13:59 | 12.5 | 50.4 | 0.0 | 37.1 | 180.3 | 180.3 | 36.3 | 36.3 | -15.4 | -15.4 | -19.7 | |
| GEW-148 | 7/11/2018 9:49 | 10.3 | 47.1 | 2.5 | 40.1 | 138.1 | 138.0 | 5.6 | 3.2 | -13.6 | -13.7 | -18.5 | |
| GEW-148 | 7/11/2018 9:56 | 12.9 | 46.8 | 1.6 | 38.7 | 139.9 | 139.9 | 4.2 | 2.5 | -13.7 | -13.6 | -18.5 | |
| GEW-148 | 7/23/2018 13:47 | 14.7 | 50.8 | 2.3 | 32.2 | 111.7 | 111.7 | 3.4 | 4.9 | -17.4 | -17.4 | -19.2 | |
| GEW-149 | 7/5/2018 11:43 | 33.9 | 39.8 | 0.3 | 26.0 | 118.9 | 118.9 | 13.6 | 14.2 | -0.2 | -0.2 | -15.0 | |
| GEW-149 | 7/5/2018 11:50 | 43.5 | 38.4 | 0.3 | 17.8 | 119.7 | 119.7 | 14.3 | 13.0 | -0.2 | -0.2 | -14.7 | |
| GEW-150 | 7/11/2018 11:21 | 41.7 | 51.8 | 0.8 | 5.7 | 186.4 | 186.4 | 18.0 | 12.7 | -0.5 | -0.6 | -16.3 | |
| GEW-150 | 7/11/2018 11:30 | 25.0 | 49.0 | 0.8 | 25.2 | 187.0 | 187.0 | 11.7 | 9.6 | -0.6 | -0.6 | -16.1 | |
| GEW-150 | 7/23/2018 13:25 | 23.0 | 47.0 | 1.5 | 28.5 | 187.0 | 187.0 | 15.4 | 15.4 | -0.8 | -0.8 | -16.2 | |
| GEW-150 | 7/23/2018 13:26 | 22.5 | 49.6 | 1.4 | 26.5 | 187.0 | 187.0 | 10.0 | 12.1 | -0.5 | -0.4 | -16.4 | |
| GEW-151 | 7/17/2018 8:39 | 9.1 | 52.4 | 0.2 | 38.3 | 181.5 | 181.5 | 4.5 | 3.0 | -0.6 | -0.6 | -19.4 | |
| GEW-151 | 7/17/2018 8:45 | 8.9 | 49.4 | 0.2 | 41.5 | 183.1 | 183.1 | 2.0 | 2.0 | -0.6 | -0.6 | -19.3 | |
| GEW-151 | 7/31/2018 7:44 | 17.4 | 52.3 | 0.1 | 30.2 | 100.4 | 100.4 | 4.7 | 5.3 | -0.5 | -0.5 | -19.5 | |
| GEW-152 | 7/11/2018 9:17 | 25.8 | 51.4 | 0.7 | 22.1 | 115.5 | 115.6 | 1.9 | 3.6 | -4.3 | -4.3 | -19.0 | |
| GEW-152 | 7/11/2018 9:23 | 25.3 | 46.6 | 1.0 | 27.1 | 119.2 | 119.2 | 3.1 | 3.8 | -4.9 | -4.9 | -19.4 | |
| GEW-153 | 7/11/2018 8:44 | 45.5 | 39.9 | 0.0 | 14.6 | 104.8 | 104.8 | 3.5 | 5.8 | -2.9 | -2.8 | -19.1 | |
| GEW-153 | 7/11/2018 8:50 | 45.4 | 37.7 | 0.0 | 16.9 | 106.0 | 106.1 | 1.9 | 1.9 | -2.8 | -2.8 | -19.4 | |
| GEW-154 | 7/5/2018 10:16 | 3.8 | 10.0 | 11.5 | 74.7 | 110.7 | 110.7 | 1.8 | 1.4 | -1.5 | -1.5 | -17.6 | |
| GEW-154 | 7/5/2018 10:23 | 3.4 | 9.8 | 11.6 | 75.2 | 110.0 | 110.0 | 4.2 | 0.8 | -1.5 | -1.5 | -17.0 | |
| GEW-154 | 7/19/2018 11:37 | 3.1 | 12.7 | 11.9 | 72.3 | 94.8 | 94.8 | 3.2 | 1.7 | -1.2 | -1.2 | -15.4 | |
| GEW-154 | 7/19/2018 11:38 | 3.4 | 10.4 | 12.0 | 74.2 | 94.6 | 94.6 | 1.5 | 2.9 | -1.2 | -1.3 | -15.8 | |
| GEW-155 | 7/12/2018 10:52 | 1.3 | 21.2 | 4.5 | 73.0 | 119.9 | 119.9 | 2.7 | 3.5 | -0.1 | -0.1 | -18.9 | |
| GEW-155 | 7/12/2018 10:59 | 1.0 | 20.6 | 4.5 | 73.9 | 120.2 | 119.9 | 2.5 | 2.7 | -0.1 | -0.1 | -18.9 | |
| GEW-156 | 7/11/2018 13:51 | 37.6 | 50.1 | 0.1 | 12.2 | 121.8 | 121.8 | 4.7 | 6.4 | -12.4 | -12.3 | -19.1 | |
| GEW-156 | 7/11/2018 13:57 | 36.7 | 49.6 | 0.0 | 13.7 | 122.6 | 122.6 | 5.3 | 3.9 | -12.4 | -12.4 | -19.1 | |
| GEW-157 | 7/11/2018 13:23 | 17.9 | 48.7 | 1.7 | 31.7 | 124.2 | 124.2 | 3.2 | 1.9 | -5.7 | -5.7 | -19.1 | |
| GEW-157 | 7/11/2018 13:29 | 16.6 | 48.3 | 1.6 | 33.5 | 123.9 | 123.9 | 3.5 | 2.8 | -5.7 | -5.7 | -18.4 | |
| GEW-158 | 7/11/2018 10:09 | 22.8 | 59.2 | 0.0 | 18.0 | 156.9 | 157.3 | 10.9 | 3.9 | -1.5 | -1.4 | -7.7 | |
| GEW-158 | 7/11/2018 10:16 | 27.6 | 59.5 | 0.0 | 12.9 | 161.1 | 161.1 | 11.2 | 12.3 | -1.8 | -1.7 | -5.6 | |
| GEW-158 | 7/23/2018 11:29 | 19.9 | 58.5 | 0.0 | 21.6 | 159.4 | 159.8 | 10.7 | 10.0 | -4.3 | -4.2 | -7.5 | |

| July 2018 Wellfield Monitoring Data - Bridgeton Landfill | | | | | | | | | | | | | |
|--|-----------------|---------|-----------------|----------------|-------------|-----------|----------|-----------|----------|-------------------|------------------|-----------------|--|
| Well Name | Date Sampled | Methane | CO ₂ | O ₂ | Balance Gas | Init Temp | Adj Temp | Init Flow | Adj Flow | Init Static Press | Adj Static Press | System Pressure | |
| | | (% vol) | | | | °F | | scfm | | H ₂ O | | | |
| GEW-158 | 7/23/2018 11:30 | 20.7 | 59.4 | 0.0 | 19.9 | 159.4 | 159.4 | 10.7 | 10.7 | -4.2 | -4.0 | -8.0 | |
| GEW-159 | 7/11/2018 8:23 | 38.1 | 38.2 | 2.1 | 21.6 | 89.4 | 89.5 | 2.3 | 2.9 | -1.4 | -1.5 | -19.4 | |
| GEW-159 | 7/11/2018 8:30 | 38.2 | 37.7 | 2.1 | 22.0 | 89.8 | 89.8 | 3.1 | 2.8 | -1.5 | -1.5 | -19.4 | |
| GEW-160 | 7/5/2018 9:39 | 2.8 | 51.5 | 0.7 | 45.0 | 110.6 | 110.7 | 11.7 | 10.0 | -0.6 | -0.6 | -16.3 | |
| GEW-160 | 7/5/2018 9:46 | 4.3 | 48.3 | 0.6 | 46.8 | 111.7 | 111.7 | 5.6 | 6.7 | -0.5 | -0.5 | -17.0 | |
| GEW-161 | 7/5/2018 9:49 | 10.1 | 50.5 | 0.3 | 39.1 | 156.5 | 156.0 | 1.9 | 5.5 | -6.3 | -6.3 | -16.2 | |
| GEW-161 | 7/5/2018 9:56 | 10.8 | 47.0 | 0.6 | 41.6 | 156.0 | 156.5 | 5.0 | 2.8 | -6.3 | -6.3 | -15.6 | |
| GEW-161 | 7/19/2018 13:25 | 8.1 | 48.7 | 0.7 | 42.5 | 90.1 | 90.1 | 3.7 | 4.7 | -7.4 | -7.4 | -15.7 | |
| GEW-162 | 7/5/2018 11:32 | 24.2 | 52.7 | 1.7 | 21.4 | 133.2 | 133.2 | 2.9 | 5.2 | -5.7 | -5.7 | -19.0 | |
| GEW-162 | 7/5/2018 11:39 | 25.1 | 52.2 | 1.5 | 21.2 | 133.5 | 133.5 | 3.4 | 4.2 | -5.8 | -5.7 | -18.8 | |
| GEW-162 | 7/19/2018 13:30 | 11.7 | 57.9 | 0.9 | 29.5 | 104.6 | 104.7 | 7.1 | 2.9 | -6.8 | -6.8 | -18.6 | |
| GEW-163 | 7/2/2018 9:46 | 7.9 | 33.2 | 6.4 | 52.5 | 166.7 | 166.1 | 9.3 | 11.9 | -0.2 | -0.2 | -17.9 | |
| GEW-163 | 7/2/2018 9:48 | 7.7 | 33.5 | 6.3 | 52.5 | 166.7 | 166.5 | 12.3 | 12.5 | -0.2 | -0.2 | -19.4 | |
| GEW-163 | 7/9/2018 8:51 | 8.8 | 33.9 | 6.7 | 50.6 | 165.7 | 165.7 | 8.0 | 7.6 | -0.3 | -0.3 | -19.3 | |
| GEW-163 | 7/9/2018 8:57 | 9.2 | 33.9 | 6.7 | 50.2 | 165.7 | 165.7 | 6.4 | 14.0 | -0.3 | -0.3 | -18.7 | |
| GEW-163 | 7/17/2018 10:57 | 10.8 | 34.1 | 6.0 | 49.1 | 165.7 | 165.8 | 10.8 | 10.2 | -0.3 | -0.2 | -18.2 | |
| GEW-163 | 7/17/2018 10:59 | 11.1 | 35.2 | 6.0 | 47.7 | 165.7 | 165.7 | 11.0 | 8.3 | -0.2 | -0.3 | -17.6 | |
| GEW-163 | 7/26/2018 8:25 | 2.3 | 19.5 | 13.0 | 65.2 | 162.4 | 162.4 | 8.7 | 15.1 | -0.3 | -0.2 | -19.1 | |
| GEW-163 | 7/26/2018 8:27 | 2.5 | 19.5 | 13.0 | 65.0 | 162.4 | 162.4 | 8.0 | 8.7 | -0.2 | -0.3 | -19.4 | |
| GEW-163 | 7/31/2018 8:47 | 1.7 | 17.1 | 14.5 | 66.7 | 159.9 | 159.9 | 25.6 | 26.1 | -0.3 | -0.3 | -19.1 | |
| GEW-163 | 7/31/2018 8:51 | 1.7 | 17.7 | 14.4 | 66.2 | 160.2 | 160.1 | 34.9 | 34.5 | -0.3 | -0.3 | -19.3 | |
| GEW-164 | 7/2/2018 9:51 | 26.5 | 52.9 | 0.4 | 20.2 | 156.5 | 156.5 | 16.6 | 14.9 | -0.3 | -0.3 | -18.6 | |
| GEW-164 | 7/2/2018 9:53 | 26.7 | 52.8 | 0.3 | 20.2 | 156.5 | 156.5 | 33.1 | 33.2 | -0.3 | -0.3 | -18.8 | |
| GEW-164 | 7/9/2018 9:01 | 26.3 | 52.2 | 1.0 | 20.5 | 155.7 | 155.7 | 24.9 | 31.9 | -0.3 | -0.3 | -19.1 | |
| GEW-164 | 7/9/2018 9:08 | 26.7 | 51.0 | 0.9 | 21.4 | 156.0 | 156.0 | 29.8 | 27.3 | -0.3 | -0.3 | -19.2 | |
| GEW-164 | 7/17/2018 11:10 | 27.1 | 50.8 | 1.0 | 21.1 | 156.5 | 156.5 | 32.6 | 38.4 | -0.3 | -0.3 | -19.0 | |
| GEW-164 | 7/17/2018 11:12 | 27.4 | 50.6 | 1.0 | 21.0 | 156.5 | 156.5 | 24.7 | 26.2 | -0.3 | -0.3 | -20.0 | |
| GEW-164 | 7/26/2018 8:30 | 25.5 | 48.7 | 2.3 | 23.5 | 155.6 | 155.6 | 27.4 | 34.5 | -0.3 | -0.3 | -19.9 | |
| GEW-164 | 7/26/2018 8:35 | 25.5 | 48.7 | 2.3 | 23.5 | 156.0 | 155.6 | 21.0 | 21.7 | -0.3 | -0.3 | -19.6 | |
| GEW-164 | 7/31/2018 8:53 | 24.6 | 47.8 | 2.7 | 24.9 | 154.9 | 154.8 | 31.9 | 25.6 | -0.3 | -0.3 | -20.2 | |
| GEW-164 | 7/31/2018 8:54 | 24.4 | 47.9 | 2.6 | 25.1 | 154.5 | 155.0 | 34.7 | 24.9 | -0.3 | -0.3 | -19.6 | |
| GEW-165 | 7/2/2018 9:56 | 12.2 | 52.1 | 2.3 | 33.4 | 178.0 | 178.0 | 21.0 | 12.3 | -0.6 | -0.6 | -18.2 | |
| GEW-165 | 7/2/2018 9:58 | 12.4 | 53.6 | 2.3 | 31.7 | 178.0 | 178.0 | 13.6 | 11.8 | -0.6 | -0.6 | -18.5 | |
| GEW-165 | 7/9/2018 9:13 | 12.5 | 52.4 | 2.4 | 32.7 | 177.5 | 177.5 | 12.3 | 14.6 | -0.6 | -0.6 | -18.7 | |
| GEW-165 | 7/9/2018 9:20 | 14.0 | 51.5 | 2.5 | 32.0 | 177.5 | 177.5 | 9.1 | 18.1 | -0.7 | -0.6 | -18.7 | |
| GEW-165 | 7/17/2018 11:16 | 14.0 | 52.1 | 2.7 | 31.2 | 176.9 | 177.4 | 17.5 | 21.1 | -0.7 | -0.7 | -19.1 | |
| GEW-165 | 7/17/2018 11:18 | 14.2 | 52.0 | 2.8 | 31.0 | 177.5 | 177.3 | 13.6 | 20.2 | -0.7 | -0.7 | -19.1 | |
| GEW-165 | 7/26/2018 8:37 | 14.2 | 50.0 | 3.3 | 32.5 | 176.4 | 176.6 | 16.4 | 22.1 | -0.7 | -0.7 | -19.1 | |
| GEW-165 | 7/26/2018 8:39 | 14.8 | 51.6 | 3.4 | 30.2 | 176.9 | 176.9 | 19.2 | 13.8 | -0.7 | -0.7 | -19.0 | |
| GEW-165 | 7/31/2018 8:59 | 12.4 | 49.1 | 3.8 | 34.7 | 175.3 | 175.3 | 13.8 | 11.6 | -0.7 | -0.7 | -19.9 | |
| GEW-165 | 7/31/2018 9:01 | 12.2 | 50.5 | 3.9 | 33.4 | 175.3 | 175.3 | 17.6 | 16.6 | -0.7 | -0.7 | -19.7 | |
| GEW-166 | 7/2/2018 10:01 | 1.8 | 52.9 | 0.3 | 45.0 | 195.1 | 195.1 | 17.1 | 5.1 | -6.3 | -6.3 | -18.5 | |

July 2018 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-166 | 7/2/2018 10:03 | 1.8 | 54.7 | 0.3 | 43.2 | 195.0 | 195.0 | 45.1 | 40.1 | -6.8 | -6.8 | -18.8 |
| GEW-166 | 7/9/2018 9:25 | 2.6 | 53.7 | 0.5 | 43.2 | 191.6 | 191.6 | 17.2 | 25.2 | -9.7 | -9.7 | -18.8 |
| GEW-166 | 7/9/2018 9:31 | 3.7 | 49.4 | 0.5 | 46.4 | 191.6 | 191.6 | 21.3 | 11.3 | -9.3 | -9.3 | -18.5 |
| GEW-166 | 7/17/2018 11:22 | 2.6 | 53.8 | 0.4 | 43.2 | 195.0 | 195.0 | 30.6 | 16.8 | -6.5 | -6.6 | -10.6 |
| GEW-166 | 7/17/2018 11:24 | 3.4 | 54.5 | 0.3 | 41.8 | 195.0 | 195.0 | 34.0 | 19.5 | -6.8 | -6.8 | -18.4 |
| GEW-166 | 7/26/2018 8:43 | 2.4 | 53.8 | 0.4 | 43.4 | 194.4 | 194.3 | 38.9 | 11.3 | -7.3 | -7.3 | -19.8 |
| GEW-166 | 7/26/2018 8:44 | 2.5 | 54.4 | 0.4 | 42.7 | 194.3 | 194.3 | 57.3 | 55.4 | -8.2 | -8.2 | -19.7 |
| GEW-166 | 7/31/2018 9:05 | 2.1 | 54.2 | 0.4 | 43.3 | 194.3 | 194.3 | 36.9 | 33.8 | -7.8 | -7.8 | -19.7 |
| GEW-166 | 7/31/2018 9:07 | 2.2 | 54.5 | 0.4 | 42.9 | 194.3 | 194.3 | 47.3 | 40.6 | -8.2 | -8.2 | -20.1 |
| GEW-167 | 7/2/2018 10:17 | 2.2 | 40.7 | 5.7 | 51.4 | 188.9 | 189.0 | 15.7 | 21.5 | -0.3 | -0.3 | -14.5 |
| GEW-167 | 7/2/2018 10:19 | 2.1 | 40.9 | 5.8 | 51.2 | 189.6 | 188.9 | 26.3 | 22.9 | -0.3 | -0.3 | -13.8 |
| GEW-167 | 7/9/2018 10:26 | 1.7 | 41.3 | 5.2 | 51.8 | 188.9 | 189.1 | 15.2 | 13.5 | -0.3 | -0.3 | -14.4 |
| GEW-167 | 7/9/2018 10:33 | 2.4 | 39.8 | 5.3 | 52.5 | 188.9 | 188.9 | 8.7 | 10.4 | -0.3 | -0.3 | -14.5 |
| GEW-167 | 7/17/2018 11:59 | 2.2 | 41.3 | 4.8 | 51.7 | 189.6 | 189.6 | 11.1 | 5.2 | -0.3 | -0.3 | -14.2 |
| GEW-167 | 7/17/2018 12:00 | 2.2 | 42.5 | 4.8 | 50.5 | 189.8 | 189.6 | 4.6 | 7.3 | -0.3 | -0.3 | -13.1 |
| GEW-167 | 7/26/2018 8:49 | 1.9 | 44.8 | 4.9 | 48.4 | 189.6 | 189.6 | 9.3 | 7.3 | -0.2 | -0.2 | -14.3 |
| GEW-167 | 7/26/2018 8:50 | 2.0 | 44.2 | 4.9 | 48.9 | 189.6 | 189.6 | 7.3 | 4.0 | -0.2 | -0.2 | -14.2 |
| GEW-167 | 7/31/2018 10:11 | 1.7 | 44.7 | 4.1 | 49.5 | 190.2 | 190.2 | 10.1 | 8.4 | -0.2 | -0.2 | -13.1 |
| GEW-167 | 7/31/2018 10:13 | 1.6 | 45.2 | 4.1 | 49.1 | 190.2 | 190.2 | 9.8 | 9.0 | -0.2 | -0.2 | -13.2 |
| GEW-168 | 7/2/2018 10:07 | 16.6 | 47.7 | 2.6 | 33.1 | 162.9 | 162.7 | 11.6 | 8.0 | -0.2 | -0.2 | -18.2 |
| GEW-168 | 7/2/2018 10:08 | 16.9 | 48.9 | 2.6 | 31.6 | 163.0 | 163.1 | 11.3 | 6.8 | -0.2 | -0.2 | -17.7 |
| GEW-168 | 7/9/2018 10:40 | 19.4 | 50.1 | 2.4 | 28.1 | 161.7 | 162.0 | 37.1 | 25.3 | -0.4 | -0.3 | -17.6 |
| GEW-168 | 7/9/2018 10:47 | 19.3 | 47.6 | 2.5 | 30.6 | 162.0 | 162.0 | 27.1 | 22.5 | -0.4 | -0.4 | -18.4 |
| GEW-168 | 7/17/2018 11:41 | 18.5 | 46.1 | 2.8 | 32.6 | 161.5 | 161.3 | 33.3 | 31.0 | -0.2 | -0.2 | -18.7 |
| GEW-168 | 7/17/2018 11:43 | 17.3 | 48.9 | 2.8 | 31.0 | 161.1 | 161.1 | 23.0 | 24.5 | -0.2 | -0.2 | -18.5 |
| GEW-168 | 7/26/2018 8:55 | 21.3 | 47.1 | 4.3 | 27.3 | 159.0 | 159.0 | 2.4 | 6.4 | -0.2 | -0.2 | -19.0 |
| GEW-168 | 7/26/2018 8:56 | 21.9 | 46.4 | 4.3 | 27.4 | 159.1 | 159.4 | 17.7 | 14.8 | -0.2 | -0.2 | -18.8 |
| GEW-168 | 7/31/2018 9:59 | 21.0 | 55.7 | 1.0 | 22.3 | 156.9 | 156.5 | 6.9 | 3.5 | -0.2 | -0.2 | -19.0 |
| GEW-168 | 7/31/2018 10:00 | 20.9 | 55.6 | 0.9 | 22.6 | 156.5 | 156.4 | 2.4 | 7.7 | -0.2 | -0.2 | -19.0 |
| GEW-169 | 7/2/2018 10:12 | 7.1 | 53.2 | 1.3 | 38.4 | 184.5 | 184.5 | 12.6 | 11.2 | -1.3 | -1.3 | -18.0 |
| GEW-169 | 7/2/2018 10:13 | 7.1 | 54.2 | 1.3 | 37.4 | 184.5 | 184.5 | 4.7 | 22.7 | -1.4 | -1.4 | -18.0 |
| GEW-169 | 7/9/2018 10:52 | 9.9 | 56.4 | 0.6 | 33.1 | 186.4 | 186.4 | 66.3 | 61.9 | -1.2 | -1.1 | -19.4 |
| GEW-169 | 7/9/2018 10:59 | 11.3 | 54.8 | 0.7 | 33.2 | 187.0 | 186.8 | 79.8 | 87.5 | -2.0 | -2.0 | -19.4 |
| GEW-169 | 7/17/2018 11:47 | 8.4 | 55.5 | 0.7 | 35.4 | 186.4 | 186.4 | 46.7 | 46.1 | -0.9 | -0.9 | -17.7 |
| GEW-169 | 7/17/2018 11:48 | 8.2 | 56.2 | 0.7 | 34.9 | 186.3 | 186.3 | 45.4 | 51.4 | -1.0 | -1.0 | -19.0 |
| GEW-169 | 7/26/2018 9:00 | 11.0 | 56.0 | 0.9 | 32.1 | 185.7 | 185.7 | 38.5 | 37.3 | -0.8 | -0.9 | -17.3 |
| GEW-169 | 7/26/2018 9:02 | 11.0 | 56.5 | 0.9 | 31.6 | 185.7 | 185.7 | 57.1 | 58.5 | -0.9 | -1.0 | -19.1 |
| GEW-169 | 7/31/2018 10:05 | 9.3 | 54.3 | 0.9 | 35.5 | 185.1 | 185.1 | 48.1 | 47.5 | -0.9 | -0.9 | -19.3 |
| GEW-169 | 7/31/2018 10:07 | 9.1 | 57.1 | 0.9 | 32.9 | 184.9 | 185.1 | 51.4 | 53.9 | -1.0 | -1.1 | -19.6 |
| GEW-170 | 7/13/2018 14:08 | 11.4 | 57.9 | 0.3 | 30.4 | 179.2 | 179.5 | 11.8 | 7.0 | -1.3 | -1.3 | -12.1 |
| GEW-170 | 7/13/2018 14:15 | 13.5 | 51.3 | 0.3 | 34.9 | 179.2 | 179.2 | 8.8 | 7.7 | -1.4 | -1.4 | -12.8 |
| GEW-170 | 7/26/2018 14:08 | 14.8 | 54.9 | 0.9 | 29.4 | 172.6 | 172.4 | 13.6 | 4.8 | -1.8 | -1.9 | -14.2 |

| July 2018 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-170 | 7/26/2018 14:10 | 14.9 | 54.9 | 0.9 | 29.3 | 172.7 | 172.6 | 11.6 | 6.7 | -1.9 | -1.9 | -14.8 | |
| GEW-171 | 7/13/2018 8:24 | 0.1 | 2.8 | 20.7 | 76.4 | 98.4 | 98.4 | 1.7 | 1.7 | -17.5 | -17.5 | -18.2 | |
| GEW-171 | 7/13/2018 8:25 | 0.0 | 1.8 | 20.8 | 77.4 | 99.6 | 99.6 | 1.3 | 2.3 | -17.5 | -17.5 | -18.2 | |
| GEW-171 | 7/26/2018 11:21 | 1.0 | 6.2 | 20.3 | 72.5 | 100.9 | 100.9 | 58.0 | 75.8 | -16.6 | -16.6 | -17.6 | |
| GEW-171 | 7/26/2018 11:24 | 0.9 | 3.7 | 20.5 | 74.9 | 100.9 | 100.9 | 70.3 | 66.9 | -16.6 | -16.5 | -17.6 | |
| GEW-172 | 7/13/2018 8:41 | 21.6 | 54.2 | 0.4 | 23.8 | 164.3 | 165.2 | 22.9 | 27.4 | -14.2 | -14.5 | -18.9 | |
| GEW-172 | 7/13/2018 8:47 | 20.4 | 54.7 | 0.3 | 24.6 | 164.7 | 164.3 | 19.9 | 20.3 | -14.8 | -14.5 | -18.9 | |
| GEW-172 | 7/26/2018 11:15 | 16.3 | 51.9 | 0.0 | 31.8 | 183.3 | 183.3 | 31.7 | 30.8 | -0.5 | -0.5 | -19.3 | |
| GEW-172 | 7/26/2018 11:17 | 16.0 | 54.2 | 0.0 | 29.8 | 183.3 | 183.3 | 39.4 | 40.4 | -0.5 | -0.5 | -19.4 | |
| GEW-173 | 7/13/2018 9:41 | 4.5 | 16.5 | 9.4 | 69.6 | 128.9 | 128.8 | 1.5 | 1.5 | -0.1 | -0.1 | -18.6 | |
| GEW-173 | 7/13/2018 9:48 | 4.4 | 15.4 | 9.5 | 70.7 | 128.6 | 128.3 | 2.1 | 2.1 | -0.1 | -0.1 | -18.8 | |
| GEW-173 | 7/27/2018 8:34 | 2.4 | 15.1 | 13.1 | 69.4 | 118.1 | 118.0 | 20.1 | 14.7 | -0.3 | -0.3 | -19.9 | |
| GEW-173 | 7/27/2018 8:36 | 2.2 | 9.8 | 13.6 | 74.4 | 116.3 | 116.8 | 11.4 | 6.9 | -0.2 | -0.1 | -19.6 | |
| GEW-174 | 7/12/2018 9:07 | 24.0 | 49.2 | 0.2 | 26.6 | 152.1 | 152.1 | 37.9 | 31.5 | -3.8 | -3.8 | -18.8 | |
| GEW-174 | 7/12/2018 9:13 | 24.0 | 49.0 | 0.1 | 26.9 | 152.3 | 152.5 | 22.6 | 35.2 | -3.6 | -3.6 | -19.3 | |
| GEW-174 | 7/26/2018 8:40 | 22.0 | 52.7 | 0.0 | 25.3 | 150.7 | 151.0 | 19.8 | 26.4 | -3.3 | -3.3 | -19.2 | |
| GEW-174 | 7/26/2018 8:41 | 23.0 | 51.1 | 0.0 | 25.9 | 151.1 | 151.0 | 23.0 | 33.3 | -3.3 | -3.3 | -19.8 | |
| GEW-175 | 7/11/2018 11:09 | 24.2 | 61.9 | 0.0 | 13.9 | 175.5 | 175.3 | 15.3 | 18.3 | -0.1 | -0.03 | -19.9 | |
| GEW-175 | 7/11/2018 11:17 | 33.1 | 59.4 | 0.1 | 7.4 | 176.1 | 175.9 | 39.2 | 33.5 | -0.2 | -0.3 | -18.3 | |
| GEW-175 | 7/11/2018 11:33 | 19.1 | 58.2 | 0.3 | 22.4 | 174.2 | 174.7 | 35.7 | 42.8 | -0.3 | -0.2 | -19.1 | |
| GEW-175 | 7/23/2018 11:38 | 20.8 | 40.8 | 3.2 | 35.2 | 149.9 | 149.8 | 38.9 | 43.9 | -0.4 | -0.4 | -20.1 | |
| GEW-175 | 7/23/2018 11:39 | 21.1 | 40.7 | 3.2 | 35.0 | 149.9 | 149.9 | 34.3 | 45.5 | -0.4 | -0.4 | -20.0 | |
| GEW-176 | 7/11/2018 10:57 | 48.6 | 46.6 | 0.9 | 3.9 | 106.3 | 106.4 | 5.7 | 4.6 | -0.02 | -0.02 | -19.5 | |
| GEW-176 | 7/11/2018 11:03 | 48.1 | 46.3 | 0.8 | 4.8 | 109.0 | 109.1 | 11.5 | 12.6 | -0.2 | -0.2 | -19.6 | |
| GEW-176 | 7/11/2018 11:36 | 36.2 | 45.3 | 1.0 | 17.5 | 118.4 | 118.4 | 10.4 | 9.7 | -0.2 | -0.2 | -20.5 | |
| GEW-177 | 7/13/2018 9:58 | 8.1 | 56.0 | 2.0 | 33.9 | 180.9 | 180.4 | 12.8 | 12.2 | -5.0 | -5.1 | -7.2 | |
| GEW-177 | 7/13/2018 10:10 | 7.8 | 55.2 | 2.0 | 35.0 | 180.9 | 180.9 | 14.1 | 13.2 | -5.4 | -5.4 | -6.8 | |
| GEW-177 | 7/26/2018 13:56 | 7.4 | 59.4 | 0.6 | 32.6 | 190.9 | 191.1 | 6.0 | 25.6 | -9.4 | -9.4 | -19.4 | |
| GEW-177 | 7/26/2018 13:57 | 7.3 | 60.3 | 0.4 | 32.0 | 190.9 | 190.9 | 20.2 | 33.4 | -9.3 | -9.8 | -19.2 | |
| GEW-178 | 7/2/2018 14:05 | 20.7 | 47.2 | 1.0 | 31.1 | 113.4 | 113.5 | 18.8 | 18.2 | -0.9 | -0.9 | -13.7 | |
| GEW-178 | 7/11/2018 8:27 | 27.5 | 58.4 | 0.0 | 14.1 | 116.0 | 115.7 | 8.9 | 8.0 | -0.6 | -0.6 | -19.2 | |
| GEW-178 | 7/11/2018 8:32 | 27.8 | 57.0 | 0.0 | 15.2 | 116.3 | 116.2 | 7.9 | 8.7 | -0.6 | -0.6 | -18.0 | |
| GEW-178 | 7/17/2018 14:05 | 21.3 | 55.4 | 0.6 | 22.7 | 119.3 | 119.2 | 6.8 | 3.5 | -0.4 | -0.3 | -8.1 | |
| GEW-178 | 7/25/2018 14:30 | 24.1 | 52.7 | 0.4 | 22.8 | 121.0 | 121.0 | 4.2 | 3.5 | -0.6 | -0.6 | -20.3 | |
| GEW-178 | 7/31/2018 10:50 | 23.1 | 51.6 | 0.6 | 24.7 | 112.9 | 112.7 | 7.9 | 8.9 | -0.6 | -0.6 | -19.5 | |
| GEW-179 | 7/2/2018 14:08 | 21.0 | 50.6 | 0.6 | 27.8 | 132.0 | 131.9 | 10.2 | 14.1 | -6.5 | -6.3 | -17.9 | |
| GEW-179 | 7/2/2018 14:10 | 20.9 | 51.3 | 0.5 | 27.3 | 132.0 | 131.7 | 8.5 | 15.4 | -6.5 | -6.3 | -18.2 | |
| GEW-179 | 7/11/2018 8:15 | 18.3 | 55.0 | 0.7 | 26.0 | 133.5 | 133.5 | 15.5 | 11.1 | -4.9 | -4.9 | -19.3 | |
| GEW-179 | 7/11/2018 8:22 | 18.2 | 54.1 | 0.6 | 27.1 | 133.5 | 133.5 | 14.9 | 11.6 | -4.9 | -4.8 | -19.7 | |
| GEW-179 | 7/17/2018 14:11 | 19.2 | 51.7 | 0.8 | 28.3 | 137.4 | 137.4 | 15.8 | 19.0 | -4.9 | -4.9 | -20.5 | |
| GEW-179 | 7/17/2018 14:13 | 18.9 | 51.9 | 0.8 | 28.4 | 137.7 | 137.4 | 10.5 | 13.6 | -4.9 | -4.9 | -20.8 | |
| GEW-179 | 7/25/2018 14:35 | 21.5 | 51.5 | 0.9 | 26.1 | 140.0 | 140.1 | 13.6 | 7.5 | -4.4 | -4.4 | -20.8 | |

| July 2018 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-179 | 7/25/2018 14:37 | 21.3 | 51.8 | 0.9 | 26.0 | 140.0 | 140.0 | 15.0 | 12.9 | -4.4 | -4.4 | -20.1 | |
| GEW-179 | 7/31/2018 10:39 | 19.9 | 50.9 | 1.7 | 27.5 | 137.4 | 137.1 | 10.3 | 13.4 | -4.3 | -4.3 | -19.8 | |
| GEW-179 | 7/31/2018 10:41 | 20.4 | 50.4 | 1.7 | 27.5 | 137.1 | 137.4 | 16.2 | 12.3 | -4.2 | -4.2 | -19.2 | |
| GEW-180 | 7/2/2018 14:14 | 16.2 | 61.1 | 0.2 | 22.5 | 148.9 | 148.8 | 14.8 | 13.4 | -4.9 | -4.9 | -18.8 | |
| GEW-180 | 7/2/2018 14:15 | 15.9 | 62.2 | 0.2 | 21.7 | 149.1 | 149.1 | 18.4 | 19.3 | -5.0 | -5.0 | -18.5 | |
| GEW-180 | 7/11/2018 8:05 | 16.1 | 63.3 | 0.2 | 20.4 | 148.4 | 148.1 | 4.1 | 6.8 | -4.1 | -4.1 | -19.7 | |
| GEW-180 | 7/11/2018 8:11 | 17.3 | 58.2 | 0.2 | 24.3 | 148.2 | 148.0 | 7.5 | 7.3 | -4.3 | -4.2 | -19.4 | |
| GEW-180 | 7/17/2018 14:19 | 15.8 | 60.6 | 0.4 | 23.2 | 147.7 | 147.7 | 3.1 | 2.3 | -4.9 | -4.8 | -20.1 | |
| GEW-180 | 7/17/2018 14:21 | 15.6 | 62.0 | 0.3 | 22.1 | 148.0 | 148.0 | 8.7 | 8.9 | -4.8 | -4.8 | -19.9 | |
| GEW-180 | 7/26/2018 7:38 | 16.1 | 60.8 | 0.3 | 22.8 | 145.2 | 145.5 | 5.3 | 5.7 | -3.9 | -3.9 | -20.0 | |
| GEW-180 | 7/26/2018 7:42 | 15.7 | 62.1 | 0.3 | 21.9 | 145.2 | 145.2 | 4.9 | 7.8 | -4.1 | -4.1 | -19.9 | |
| GEW-180 | 7/31/2018 10:32 | 19.6 | 63.4 | 0.1 | 16.9 | 144.8 | 144.7 | 8.0 | 7.2 | -3.6 | -3.6 | -19.6 | |
| GEW-180 | 7/31/2018 10:34 | 19.9 | 63.6 | 0.1 | 16.4 | 144.8 | 144.5 | 6.1 | 7.0 | -3.6 | -3.6 | -19.6 | |
| GEW-181 | 7/2/2018 14:20 | 17.2 | 58.2 | 0.9 | 23.7 | 155.6 | 155.4 | 4.5 | 9.0 | -1.7 | -1.7 | -19.4 | |
| GEW-181 | 7/2/2018 14:21 | 17.3 | 59.2 | 0.9 | 22.6 | 155.3 | 155.2 | 8.1 | 8.5 | -1.7 | -1.7 | -19.2 | |
| GEW-181 | 7/11/2018 7:53 | 18.6 | 59.4 | 0.3 | 21.7 | 159.4 | 159.5 | 17.2 | 15.0 | -1.3 | -1.3 | -20.2 | |
| GEW-181 | 7/11/2018 8:00 | 18.8 | 59.0 | 0.1 | 22.1 | 159.5 | 159.8 | 13.8 | 17.2 | -1.2 | -1.3 | -20.7 | |
| GEW-181 | 7/18/2018 7:42 | 17.5 | 59.2 | 0.4 | 22.9 | 159.4 | 159.1 | 16.2 | 16.2 | -1.3 | -1.3 | -21.1 | |
| GEW-181 | 7/18/2018 7:44 | 17.0 | 62.1 | 0.3 | 20.6 | 159.1 | 159.4 | 19.0 | 18.5 | -1.3 | -1.3 | -20.8 | |
| GEW-181 | 7/26/2018 7:43 | 17.3 | 60.4 | 0.3 | 22.0 | 160.2 | 159.9 | 14.6 | 17.3 | -1.3 | -1.3 | -20.7 | |
| GEW-181 | 7/26/2018 7:45 | 17.5 | 62.0 | 0.3 | 20.2 | 159.8 | 160.2 | 13.7 | 12.1 | -1.5 | -1.4 | -20.7 | |
| GEW-181 | 7/31/2018 10:25 | 21.9 | 61.6 | 0.2 | 16.3 | 160.1 | 160.2 | 15.5 | 16.3 | -1.3 | -1.2 | -20.5 | |
| GEW-181 | 7/31/2018 10:27 | 21.4 | 62.4 | 0.2 | 16.0 | 159.8 | 159.8 | 14.9 | 16.5 | -1.2 | -1.2 | -20.7 | |
| GEW-182 | 7/2/2018 11:01 | 23.5 | 44.9 | 2.5 | 29.1 | 152.5 | 152.5 | 18.3 | 18.5 | -0.7 | -0.7 | -17.4 | |
| GEW-182 | 7/2/2018 11:03 | 24.8 | 46.6 | 2.4 | 26.2 | 152.9 | 152.9 | 12.0 | 12.3 | -0.4 | -0.4 | -18.5 | |
| GEW-182 | 7/9/2018 13:52 | 24.3 | 43.1 | 3.0 | 29.6 | 131.2 | 131.2 | 22.6 | 21.0 | -0.7 | -0.7 | -19.1 | |
| GEW-182 | 7/9/2018 14:01 | 24.3 | 43.4 | 3.1 | 29.2 | 131.2 | 131.2 | 22.9 | 22.2 | -0.7 | -0.7 | -19.6 | |
| GEW-182 | 7/18/2018 8:05 | 23.6 | 41.1 | 4.2 | 31.1 | 124.5 | 124.0 | 15.6 | 10.9 | -0.6 | -0.6 | -20.2 | |
| GEW-182 | 7/26/2018 7:59 | 26.3 | 39.1 | 4.7 | 29.9 | 123.1 | 123.4 | 15.2 | 11.2 | -0.6 | -0.6 | -20.4 | |
| GEW-182 | 7/31/2018 8:26 | 26.8 | 38.9 | 4.7 | 29.6 | 119.7 | 119.4 | 16.5 | 14.8 | -0.6 | -0.6 | -20.5 | |
| GEW-184 | 7/2/2018 11:23 | 25.7 | 49.1 | 3.4 | 21.8 | 124.5 | 124.2 | 7.5 | 7.3 | -0.1 | -0.1 | -18.3 | |
| GEW-184 | 7/9/2018 11:37 | 28.5 | 47.6 | 3.2 | 20.7 | 124.2 | 124.2 | 9.5 | 4.3 | -0.1 | -0.1 | -19.1 | |
| GEW-184 | 7/9/2018 11:43 | 27.0 | 46.3 | 3.8 | 22.9 | 128.7 | 128.6 | 11.6 | 9.0 | -0.2 | -0.2 | -18.8 | |
| GEW-184 | 7/18/2018 9:16 | 18.3 | 43.7 | 4.9 | 33.1 | 116.2 | 116.3 | 10.7 | 8.3 | -0.2 | -0.2 | -19.2 | |
| GEW-184 | 7/26/2018 8:04 | 17.4 | 40.7 | 6.4 | 35.5 | 113.2 | 113.0 | 8.1 | 6.2 | -0.2 | -0.2 | -19.7 | |
| GEW-184 | 7/26/2018 8:06 | 17.3 | 40.6 | 6.5 | 35.6 | 112.7 | 112.5 | 10.8 | 8.9 | -0.2 | -0.2 | -20.0 | |
| GEW-184 | 7/31/2018 8:30 | 16.9 | 38.4 | 7.0 | 37.7 | 105.7 | 105.6 | 14.2 | 12.6 | -0.1 | -0.1 | -20.0 | |
| GEW-184 | 7/31/2018 8:31 | 16.3 | 39.3 | 7.0 | 37.4 | 105.9 | 106.0 | 3.7 | 8.3 | -0.1 | -0.1 | -19.9 | |
| GEW-185 | 7/2/2018 11:18 | 21.1 | 56.1 | 0.8 | 22.0 | 172.1 | 172.1 | 17.5 | 15.4 | -0.5 | -0.5 | -18.0 | |
| GEW-185 | 7/2/2018 11:19 | 21.4 | 56.5 | 0.8 | 21.3 | 172.3 | 172.1 | 12.5 | 9.6 | -0.2 | -0.2 | -18.0 | |
| GEW-185 | 7/9/2018 11:48 | 21.4 | 55.4 | 1.0 | 22.2 | 174.7 | 174.2 | 10.7 | 10.4 | -0.2 | -0.2 | -18.7 | |
| GEW-185 | 7/9/2018 11:55 | 23.2 | 53.7 | 1.1 | 22.0 | 174.2 | 174.2 | 11.7 | 12.3 | -0.2 | -0.2 | -18.8 | |

July 2018 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-185 | 7/18/2018 8:15 | 17.7 | 55.3 | 1.3 | 25.7 | 172.6 | 172.6 | 2.0 | 3.6 | -0.2 | -0.2 | -19.6 |
| GEW-185 | 7/18/2018 8:17 | 17.2 | 55.8 | 1.2 | 25.8 | 172.6 | 172.8 | 1.7 | 4.3 | -0.3 | -0.2 | -19.6 |
| GEW-185 | 7/26/2018 8:10 | 17.4 | 55.5 | 1.1 | 26.0 | 174.7 | 174.2 | 7.8 | 4.5 | -0.2 | -0.2 | -19.9 |
| GEW-185 | 7/26/2018 8:12 | 18.0 | 56.1 | 1.2 | 24.7 | 174.2 | 174.2 | 10.8 | 6.3 | -0.3 | -0.2 | -19.7 |
| GEW-185 | 7/31/2018 8:35 | 16.7 | 55.9 | 1.4 | 26.0 | 172.9 | 172.6 | 7.6 | 6.8 | -0.2 | -0.2 | -19.8 |
| GEW-185 | 7/31/2018 8:37 | 16.5 | 55.7 | 1.3 | 26.5 | 173.0 | 172.7 | 10.4 | 6.2 | -0.2 | -0.2 | -19.6 |
| GEW-186 | 7/2/2018 13:17 | 24.7 | 44.5 | 3.0 | 27.8 | 146.3 | 146.3 | 5.0 | 7.9 | -0.2 | -0.2 | -18.4 |
| GEW-186 | 7/2/2018 13:18 | 23.9 | 46.1 | 2.9 | 27.1 | 146.0 | 146.2 | 2.3 | 5.8 | -0.2 | -0.2 | -19.1 |
| GEW-186 | 7/11/2018 8:45 | 20.7 | 47.0 | 3.3 | 29.0 | 142.2 | 142.5 | 5.6 | 7.3 | -0.1 | -0.2 | -19.5 |
| GEW-186 | 7/11/2018 8:53 | 21.3 | 47.6 | 3.2 | 27.9 | 142.4 | 142.5 | 7.1 | 7.4 | -0.1 | -0.1 | -19.7 |
| GEW-186 | 7/18/2018 7:52 | 23.5 | 50.5 | 2.0 | 24.0 | 138.1 | 138.0 | 6.2 | 8.6 | -0.1 | -0.2 | -20.1 |
| GEW-186 | 7/18/2018 7:54 | 23.7 | 51.3 | 2.0 | 23.0 | 138.0 | 138.1 | 5.2 | 6.2 | -0.1 | -0.2 | -20.4 |
| GEW-186 | 7/26/2018 7:51 | 22.6 | 51.5 | 2.2 | 23.7 | 142.2 | 141.9 | 10.5 | 7.5 | -0.2 | -0.2 | -20.6 |
| GEW-186 | 7/26/2018 7:53 | 22.8 | 51.3 | 2.2 | 23.7 | 142.3 | 142.2 | 9.9 | 9.5 | -0.2 | -0.2 | -19.5 |
| GEW-186 | 7/31/2018 10:18 | 29.1 | 51.7 | 2.1 | 17.1 | 139.3 | 139.3 | 8.5 | 3.8 | -0.2 | -0.2 | -19.5 |
| GEW-186 | 7/31/2018 10:19 | 29.2 | 51.1 | 2.1 | 17.6 | 139.3 | 139.6 | 9.0 | 7.0 | -0.1 | -0.2 | -19.1 |
| GEW-187 | 7/2/2018 13:41 | 16.0 | 45.2 | 4.7 | 34.1 | 149.1 | 148.8 | 22.1 | 19.5 | -4.0 | -3.9 | -18.6 |
| GEW-187 | 7/2/2018 13:43 | 16.5 | 45.5 | 4.5 | 33.5 | 148.0 | 148.4 | 21.2 | 18.9 | -3.4 | -3.4 | -18.3 |
| GEW-187 | 7/11/2018 9:01 | 15.1 | 45.6 | 4.5 | 34.8 | 152.1 | 151.7 | 5.5 | 2.3 | -2.0 | -2.0 | -19.4 |
| GEW-187 | 7/11/2018 9:09 | 15.8 | 44.9 | 4.8 | 34.5 | 151.7 | 150.8 | 5.0 | 3.6 | -2.0 | -2.0 | -19.2 |
| GEW-187 | 7/17/2018 13:45 | 14.3 | 44.7 | 4.9 | 36.1 | 150.2 | 151.3 | 5.5 | 4.7 | -2.8 | -2.8 | -20.2 |
| GEW-187 | 7/17/2018 13:47 | 14.7 | 45.8 | 4.6 | 34.9 | 149.9 | 149.2 | 3.4 | 2.3 | -2.0 | -2.0 | -20.5 |
| GEW-187 | 7/25/2018 14:15 | 14.9 | 45.8 | 4.2 | 35.1 | 156.7 | 156.5 | 2.7 | 1.0 | -0.8 | -0.8 | -20.5 |
| GEW-187 | 7/25/2018 14:17 | 14.0 | 46.4 | 4.1 | 35.5 | 156.9 | 156.8 | 2.1 | 2.5 | -0.9 | -0.8 | -20.7 |
| GEW-187 | 7/31/2018 11:13 | 19.2 | 52.4 | 1.6 | 26.8 | 149.5 | 149.5 | 4.3 | 4.0 | -1.4 | -1.4 | -19.7 |
| GEW-187 | 7/31/2018 11:15 | 19.6 | 52.7 | 1.8 | 25.9 | 149.4 | 149.5 | 4.0 | 3.3 | -1.4 | -1.3 | -19.4 |
| GEW-188 | 7/2/2018 11:14 | 2.3 | 50.0 | 0.1 | 47.6 | 115.8 | 115.8 | 6.0 | 6.2 | -0.1 | -0.1 | -18.3 |
| GEW-188 | 7/9/2018 14:15 | 0.7 | 19.0 | 7.4 | 72.9 | 133.5 | 133.5 | 6.5 | 6.5 | -0.1 | -0.1 | -18.8 |
| GEW-188 | 7/9/2018 14:22 | 0.6 | 18.7 | 7.4 | 73.3 | 135.0 | 135.0 | 8.1 | 7.9 | -0.1 | -0.1 | -18.9 |
| GEW-188 | 7/18/2018 8:09 | 0.9 | 14.9 | 12.3 | 71.9 | 94.3 | 94.3 | 4.0 | 4.0 | -0.1 | -0.1 | -19.8 |
| GEW-188 | 7/18/2018 8:11 | 0.8 | 14.0 | 12.4 | 72.8 | 94.5 | 94.5 | 3.8 | 2.8 | -0.1 | -0.1 | -19.6 |
| GEW-188 | 7/26/2018 8:17 | 0.8 | 16.1 | 10.4 | 72.7 | 96.0 | 96.0 | 4.0 | 5.1 | -0.1 | -0.1 | -19.6 |
| GEW-188 | 7/26/2018 8:19 | 0.7 | 14.3 | 10.7 | 74.3 | 95.8 | 96.0 | 4.0 | 5.0 | -0.1 | -0.1 | -19.5 |
| GEW-188 | 7/31/2018 8:42 | 1.0 | 16.7 | 13.1 | 69.2 | 81.0 | 81.0 | 6.6 | 7.9 | -0.1 | -0.1 | -19.6 |
| GEW-188 | 7/31/2018 8:43 | 0.8 | 15.3 | 13.4 | 70.5 | 81.0 | 81.0 | 7.9 | 6.4 | -0.1 | -0.1 | -19.7 |
| GEW-1A | 7/5/2018 9:06 | 3.5 | 1.7 | 19.4 | 75.4 | 110.0 | 110.2 | 0.0 | 0.0 | -12.5 | -12.5 | -13.0 |
| GEW-1A | 7/5/2018 9:07 | 3.4 | 1.3 | 19.6 | 75.7 | 111.0 | 111.0 | 0.0 | 0.0 | -12.7 | -12.7 | -13.0 |
| GEW-1A | 7/10/2018 8:44 | 2.7 | 1.4 | 19.6 | 76.3 | 103.6 | 104.0 | 1.7 | 0.0 | -12.3 | -12.9 | -12.4 |
| GEW-1A | 7/10/2018 8:46 | 2.7 | 1.1 | 19.8 | 76.4 | 104.6 | 104.8 | 0.0 | 0.0 | -12.6 | -12.8 | -12.7 |
| GEW-1A | 7/20/2018 7:44 | 2.5 | 2.9 | 19.7 | 74.9 | 84.7 | 84.9 | 0.0 | 0.0 | -12.1 | -12.4 | -12.8 |
| GEW-1A | 7/20/2018 7:45 | 2.4 | 1.0 | 20.2 | 76.4 | 85.0 | 84.9 | 0.0 | 0.0 | -12.7 | -12.7 | -13.0 |
| GEW-1A | 7/23/2018 10:05 | 2.9 | 2.4 | 19.2 | 75.5 | 90.1 | 90.1 | 0.0 | 0.0 | -13.1 | -13.1 | -13.0 |

| July 2018 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-1A | 7/23/2018 10:06 | 2.9 | 1.4 | 19.4 | 76.3 | 90.6 | 90.7 | 0.0 | 0.0 | -13.2 | -13.1 | -12.9 | |
| GEW-1A | 7/30/2018 11:25 | 2.0 | 4.1 | 20.0 | 73.9 | 70.3 | 70.4 | 0.0 | 0.0 | -12.9 | -12.9 | -13.0 | |
| GEW-1A | 7/30/2018 11:26 | 1.5 | 1.3 | 20.7 | 76.5 | 70.8 | 70.9 | 0.0 | 0.0 | -12.9 | -12.9 | -13.0 | |
| GEW-2S | 7/5/2018 9:11 | 59.2 | 35.2 | 1.2 | 4.4 | 96.0 | 95.9 | 12.7 | 11.5 | -5.7 | -5.7 | -13.0 | |
| GEW-2S | 7/5/2018 9:17 | 58.3 | 35.3 | 1.0 | 5.4 | 95.1 | 95.0 | 13.2 | 13.0 | -5.6 | -5.6 | -12.9 | |
| GEW-2S | 7/10/2018 8:49 | 60.2 | 35.5 | 1.0 | 3.3 | 92.9 | 92.9 | 15.2 | 14.2 | -5.9 | -5.8 | -12.8 | |
| GEW-2S | 7/19/2018 14:40 | 59.9 | 36.7 | 0.3 | 3.1 | 88.3 | 88.2 | 15.2 | 15.2 | -6.4 | -6.4 | -12.4 | |
| GEW-2S | 7/23/2018 10:11 | 62.5 | 37.3 | 0.2 | 0.0 | 86.3 | 86.3 | 12.2 | 12.5 | -6.6 | -6.3 | -13.0 | |
| GEW-2S | 7/30/2018 11:30 | 60.6 | 33.5 | 0.4 | 5.5 | 73.9 | 73.9 | 19.0 | 18.6 | -5.9 | -5.6 | -12.7 | |
| GIW-01 | 7/3/2018 14:08 | 9.3 | 59.5 | 0.1 | 31.1 | 171.6 | 171.6 | 4.1 | 5.6 | -4.1 | -4.1 | -19.1 | |
| GIW-01 | 7/3/2018 14:15 | 10.2 | 58.6 | 0.1 | 31.1 | 172.2 | 172.2 | 3.3 | 4.8 | -4.0 | -4.0 | -18.8 | |
| GIW-01 | 7/10/2018 10:17 | 8.4 | 63.0 | 0.0 | 28.6 | 173.1 | 173.1 | 5.1 | 6.7 | -2.5 | -2.5 | -18.7 | |
| GIW-01 | 7/10/2018 10:18 | 8.1 | 66.3 | 0.0 | 25.6 | 173.1 | 173.1 | 5.0 | 7.0 | -2.6 | -2.6 | -18.5 | |
| GIW-01 | 7/20/2018 9:17 | 8.7 | 63.5 | 0.1 | 27.7 | 172.1 | 172.1 | 4.7 | 5.5 | -2.6 | -2.6 | -19.3 | |
| GIW-01 | 7/20/2018 9:18 | 8.4 | 65.7 | 0.0 | 25.9 | 172.3 | 172.1 | 3.7 | 4.5 | -2.5 | -2.5 | -19.1 | |
| GIW-01 | 7/25/2018 14:33 | 10.5 | 61.6 | 0.0 | 27.9 | 173.1 | 173.5 | 7.5 | 7.7 | -3.3 | -3.3 | -20.6 | |
| GIW-01 | 7/25/2018 14:34 | 9.7 | 64.9 | 0.0 | 25.4 | 173.1 | 173.1 | 6.2 | 8.6 | -3.3 | -3.3 | -20.9 | |
| GIW-01 | 7/31/2018 13:43 | 8.7 | 57.6 | 0.8 | 32.9 | 169.1 | 169.1 | 9.2 | 8.9 | -2.9 | -2.9 | -19.9 | |
| GIW-01 | 7/31/2018 13:44 | 8.3 | 62.6 | 0.6 | 28.5 | 169.5 | 169.5 | 7.7 | 7.9 | -2.9 | -2.9 | -19.8 | |
| GIW-02 | 7/3/2018 14:19 | 5.8 | 28.5 | 8.9 | 56.8 | 110.7 | 110.8 | 0.0 | 2.5 | -0.2 | -0.2 | -18.9 | |
| GIW-02 | 7/3/2018 14:25 | 5.2 | 27.2 | 9.0 | 58.6 | 111.2 | 111.2 | 3.1 | 2.7 | -0.2 | -0.2 | -18.8 | |
| GIW-02 | 7/10/2018 10:21 | 4.5 | 31.8 | 9.5 | 54.2 | 104.5 | 104.6 | 1.4 | 1.4 | -0.2 | -0.2 | -18.4 | |
| GIW-02 | 7/10/2018 10:22 | 4.5 | 30.6 | 9.6 | 55.3 | 105.0 | 105.0 | 2.1 | 1.3 | -0.2 | -0.2 | -18.7 | |
| GIW-02 | 7/20/2018 9:20 | 4.6 | 31.9 | 10.8 | 52.7 | 96.0 | 96.2 | 2.3 | 2.0 | -0.2 | -0.3 | -18.7 | |
| GIW-02 | 7/20/2018 9:22 | 4.7 | 28.3 | 11.1 | 55.9 | 97.1 | 97.1 | 1.6 | 1.6 | -0.3 | -0.3 | -18.8 | |
| GIW-02 | 7/25/2018 14:36 | 5.4 | 33.8 | 8.3 | 52.5 | 104.3 | 104.4 | 1.1 | 1.6 | -0.3 | -0.2 | -20.7 | |
| GIW-02 | 7/25/2018 14:38 | 5.0 | 30.0 | 8.7 | 56.3 | 104.6 | 104.5 | 2.7 | 2.5 | -0.3 | -0.3 | -20.5 | |
| GIW-02 | 7/31/2018 13:47 | 3.4 | 30.0 | 10.6 | 56.0 | 73.4 | 73.2 | 1.2 | 2.9 | -0.2 | -0.2 | -19.4 | |
| GIW-02 | 7/31/2018 13:48 | 3.5 | 27.8 | 10.7 | 58.0 | 71.9 | 71.8 | 1.2 | 1.2 | -0.2 | -0.2 | -19.3 | |
| GIW-03 | 7/3/2018 14:29 | 13.9 | 49.4 | 0.7 | 36.0 | 106.2 | 106.2 | 3.1 | 3.7 | -3.9 | -3.9 | -11.2 | |
| GIW-03 | 7/3/2018 14:35 | 15.0 | 50.1 | 0.7 | 34.2 | 105.7 | 105.7 | 4.3 | 4.7 | -3.8 | -3.8 | -10.7 | |
| GIW-03 | 7/10/2018 10:24 | 12.0 | 53.8 | 0.7 | 33.5 | 103.6 | 103.8 | 3.1 | 2.1 | -4.7 | -4.7 | -11.8 | |
| GIW-03 | 7/20/2018 9:25 | 13.5 | 53.9 | 0.8 | 31.8 | 94.3 | 94.3 | 3.9 | 3.0 | -4.6 | -4.6 | -13.9 | |
| GIW-03 | 7/25/2018 14:40 | 15.3 | 50.8 | 1.0 | 32.9 | 100.4 | 100.1 | 2.5 | 2.2 | -5.8 | -5.7 | -13.7 | |
| GIW-03 | 7/31/2018 13:50 | 9.1 | 57.1 | 0.5 | 33.3 | 71.1 | 71.1 | 3.5 | 2.4 | -3.5 | -3.5 | -15.2 | |
| GIW-04 | 7/3/2018 14:39 | 4.4 | 53.2 | 0.9 | 41.5 | 107.0 | 107.0 | 4.0 | 3.7 | -1.7 | -1.7 | -16.5 | |
| GIW-04 | 7/3/2018 14:45 | 6.7 | 50.4 | 1.0 | 41.9 | 106.5 | 106.5 | 3.4 | 3.5 | -1.7 | -1.7 | -16.0 | |
| GIW-04 | 7/10/2018 10:26 | 2.1 | 59.3 | 0.5 | 38.1 | 110.8 | 111.1 | 2.8 | 2.3 | -1.1 | -1.1 | -14.6 | |
| GIW-04 | 7/20/2018 9:27 | 2.4 | 56.1 | 0.7 | 40.8 | 96.5 | 96.6 | 2.8 | 3.0 | -1.2 | -1.2 | -15.7 | |
| GIW-04 | 7/25/2018 14:42 | 4.6 | 54.4 | 1.2 | 39.8 | 100.1 | 100.4 | 2.3 | 3.0 | -2.5 | -2.5 | -17.9 | |
| GIW-04 | 7/31/2018 13:52 | 2.5 | 58.6 | 0.1 | 38.8 | 71.1 | 71.2 | 3.1 | 2.1 | -2.8 | -2.8 | -17.3 | |
| GIW-05 | 7/5/2018 8:45 | 1.5 | 31.6 | 9.2 | 57.7 | 96.0 | 96.2 | 7.0 | 7.5 | -0.4 | -0.3 | -16.5 | |

| July 2018 Wellfield Monitoring Data - Bridgeton Landfill | | | | | | | | | | | | | |
|--|-----------------|---------|-----------------|----------------|-------------|-----------|----------|-----------|----------|-------------------|------------------|-----------------|--|
| Well Name | Date Sampled | Methane | CO ₂ | O ₂ | Balance Gas | Init Temp | Adj Temp | Init Flow | Adj Flow | Init Static Press | Adj Static Press | System Pressure | |
| | | (% vol) | | | | °F | | scfm | | H ₂ O | | | |
| GIW-05 | 7/5/2018 8:52 | 1.2 | 17.9 | 13.8 | 67.1 | 98.1 | 98.2 | 6.4 | 6.4 | -0.3 | -0.3 | -17.1 | |
| GIW-05 | 7/10/2018 10:32 | 2.0 | 56.3 | 1.0 | 40.7 | 100.4 | 100.6 | 6.9 | 5.7 | -0.01 | -0.01 | -14.0 | |
| GIW-05 | 7/10/2018 10:34 | 1.3 | 51.6 | 3.9 | 43.2 | 104.0 | 104.0 | 4.2 | 4.2 | -0.4 | -0.4 | -14.2 | |
| GIW-05 | 7/20/2018 9:30 | 1.5 | 48.4 | 2.1 | 48.0 | 88.9 | 89.1 | 7.3 | 7.4 | -0.4 | -0.3 | -15.7 | |
| GIW-05 | 7/25/2018 14:52 | 2.0 | 47.8 | 1.4 | 48.8 | 95.0 | 95.0 | 8.3 | 8.3 | -0.6 | -0.6 | -17.9 | |
| GIW-05 | 7/31/2018 13:57 | 1.5 | 49.7 | 2.4 | 46.4 | 70.0 | 70.0 | 8.0 | 8.0 | -0.6 | -0.6 | -17.0 | |
| GIW-06 | 7/3/2018 8:19 | 28.8 | 41.4 | 0.3 | 29.5 | 91.5 | 91.5 | 2.2 | 3.0 | -12.7 | -12.7 | -16.6 | |
| GIW-06 | 7/3/2018 8:26 | 28.6 | 42.6 | 0.1 | 28.7 | 92.5 | 92.5 | 4.0 | 2.2 | -12.7 | -12.7 | -17.3 | |
| GIW-06 | 7/10/2018 10:37 | 25.9 | 47.9 | 0.3 | 25.9 | 107.8 | 108.0 | 1.8 | 2.8 | -11.6 | -11.3 | -13.9 | |
| GIW-06 | 7/20/2018 10:11 | 25.3 | 44.4 | 0.3 | 30.0 | 98.9 | 99.1 | 2.4 | 2.2 | -14.1 | -13.8 | -16.7 | |
| GIW-06 | 7/26/2018 7:36 | 23.2 | 47.2 | 0.4 | 29.2 | 83.7 | 83.9 | 2.8 | 2.8 | -11.0 | -11.0 | -14.3 | |
| GIW-06 | 7/31/2018 13:42 | 26.7 | 40.3 | 0.1 | 32.9 | 69.3 | 69.3 | 5.0 | 4.1 | -10.1 | -10.0 | -16.7 | |
| GIW-07 | 7/3/2018 8:30 | 37.3 | 51.1 | 0.1 | 11.5 | 91.2 | 91.3 | 3.0 | 3.0 | -3.6 | -3.6 | -17.0 | |
| GIW-07 | 7/3/2018 8:37 | 37.2 | 49.4 | 0.1 | 13.3 | 93.4 | 93.4 | 3.6 | 2.8 | -3.6 | -3.6 | -15.9 | |
| GIW-07 | 7/10/2018 10:39 | 36.1 | 55.3 | 0.0 | 8.6 | 109.0 | 109.0 | 1.3 | 1.3 | -3.1 | -3.1 | -14.6 | |
| GIW-07 | 7/20/2018 10:14 | 37.3 | 54.7 | 0.1 | 7.9 | 100.7 | 100.8 | 2.7 | 2.7 | -3.5 | -3.5 | -16.6 | |
| GIW-07 | 7/26/2018 7:39 | 36.6 | 54.2 | 0.2 | 9.0 | 81.9 | 81.9 | 3.3 | 3.8 | -3.1 | -3.1 | -14.6 | |
| GIW-07 | 7/31/2018 13:44 | 37.6 | 50.4 | 0.1 | 11.9 | 69.1 | 69.1 | 4.8 | 4.8 | -3.1 | -3.1 | -17.1 | |
| GIW-08 | 7/3/2018 8:40 | 43.6 | 47.9 | 0.0 | 8.5 | 95.1 | 95.3 | 2.5 | 2.8 | -2.2 | -2.3 | -16.2 | |
| GIW-08 | 7/3/2018 8:47 | 43.6 | 46.6 | 0.0 | 9.8 | 96.7 | 96.7 | 4.4 | 2.8 | -2.2 | -2.2 | -17.7 | |
| GIW-08 | 7/10/2018 10:42 | 41.7 | 54.4 | 0.0 | 3.9 | 113.7 | 113.7 | 1.7 | 1.8 | -1.9 | -1.8 | -14.9 | |
| GIW-08 | 7/20/2018 10:17 | 43.6 | 52.3 | 0.0 | 4.1 | 103.1 | 103.1 | 3.2 | 3.0 | -2.2 | -2.2 | -18.4 | |
| GIW-08 | 7/26/2018 7:41 | 41.9 | 53.2 | 0.0 | 4.9 | 80.7 | 80.7 | 1.2 | 3.1 | -2.1 | -2.1 | -13.7 | |
| GIW-08 | 7/31/2018 13:47 | 43.1 | 48.1 | 0.0 | 8.8 | 69.5 | 69.5 | 3.8 | 3.4 | -2.4 | -2.4 | -16.6 | |
| GIW-09 | 7/3/2018 9:52 | 10.6 | 26.2 | 2.9 | 60.3 | 101.6 | 101.6 | 1.6 | 1.6 | -1.0 | -1.0 | -16.6 | |
| GIW-09 | 7/3/2018 9:58 | 9.9 | 26.1 | 2.9 | 61.1 | 105.0 | 105.0 | 2.7 | 1.9 | -1.0 | -1.0 | -16.6 | |
| GIW-09 | 7/10/2018 10:48 | 9.8 | 37.0 | 0.0 | 53.2 | 107.2 | 107.5 | 1.8 | 1.8 | -0.9 | -0.9 | -14.5 | |
| GIW-09 | 7/20/2018 10:22 | 9.6 | 33.6 | 1.4 | 55.4 | 101.4 | 101.6 | 1.6 | 2.8 | -1.0 | -1.0 | -16.9 | |
| GIW-09 | 7/26/2018 7:46 | 9.2 | 32.9 | 4.0 | 53.9 | 84.5 | 84.7 | 2.3 | 2.8 | -1.0 | -1.0 | -13.8 | |
| GIW-09 | 7/31/2018 13:51 | 10.3 | 32.3 | 1.6 | 55.8 | 71.7 | 71.8 | 1.7 | 0.0 | -1.1 | -1.1 | -16.5 | |
| GIW-10 | 7/5/2018 8:34 | 11.9 | 35.7 | 0.1 | 52.3 | 93.4 | 93.4 | 0.8 | 0.8 | -3.7 | -3.7 | -16.3 | |
| GIW-10 | 7/5/2018 8:41 | 12.8 | 35.7 | 0.0 | 51.5 | 93.9 | 93.9 | 2.1 | 1.4 | -3.7 | -3.7 | -16.5 | |
| GIW-10 | 7/10/2018 10:29 | 10.4 | 42.9 | 0.0 | 46.7 | 102.3 | 102.5 | 2.4 | 1.8 | -3.0 | -3.0 | -13.3 | |
| GIW-10 | 7/20/2018 9:13 | 13.1 | 42.4 | 0.0 | 44.5 | 89.6 | 89.6 | 1.6 | 2.0 | -3.3 | -3.3 | -16.0 | |
| GIW-10 | 7/25/2018 14:30 | 13.8 | 42.3 | 0.0 | 43.9 | 103.0 | 103.0 | 3.2 | 3.0 | -3.5 | -3.5 | -19.3 | |
| GIW-10 | 7/31/2018 11:21 | 12.3 | 40.5 | 0.0 | 47.2 | 82.3 | 82.3 | 2.8 | 2.3 | -3.7 | -3.7 | -16.6 | |
| GIW-11 | 7/3/2018 10:40 | 23.1 | 40.2 | 0.1 | 36.6 | 105.7 | 105.7 | 2.7 | 1.6 | -2.1 | -2.2 | -17.7 | |
| GIW-11 | 7/3/2018 10:46 | 22.5 | 39.7 | 0.1 | 37.7 | 103.3 | 103.0 | 3.4 | 5.0 | -2.1 | -2.0 | -15.1 | |
| GIW-11 | 7/10/2018 10:13 | 22.4 | 45.6 | 0.0 | 32.0 | 103.8 | 103.8 | 5.7 | 6.9 | -2.0 | -2.0 | -17.2 | |
| GIW-11 | 7/20/2018 9:10 | 22.6 | 46.1 | 0.0 | 31.3 | 91.4 | 91.5 | 2.6 | 8.5 | -2.1 | -2.2 | -19.3 | |
| GIW-11 | 7/25/2018 14:28 | 23.1 | 46.5 | 0.0 | 30.4 | 99.9 | 99.9 | 4.1 | 4.6 | -2.2 | -2.2 | -20.1 | |
| GIW-11 | 7/31/2018 11:17 | 23.9 | 45.1 | 0.1 | 30.9 | 81.0 | 81.0 | 2.0 | 5.2 | -2.2 | -2.2 | -15.5 | |

| July 2018 Wellfield Monitoring Data - Bridgeton Landfill | | | | | | | | | | | | | |
|--|-----------------|---------|-----------------|----------------|-------------|-----------|----------|-----------|----------|-------------------|------------------|-----------------|--|
| Well Name | Date Sampled | Methane | CO ₂ | O ₂ | Balance Gas | Init Temp | Adj Temp | Init Flow | Adj Flow | Init Static Press | Adj Static Press | System Pressure | |
| | | (% vol) | | | | °F | | scfm | | H ₂ O | | | |
| GIW-12 | 7/3/2018 13:24 | 10.4 | 51.3 | 0.4 | 37.9 | 106.7 | 106.7 | 4.0 | 4.0 | -0.1 | -0.1 | -16.0 | |
| GIW-12 | 7/3/2018 13:30 | 11.8 | 52.3 | 0.3 | 35.6 | 107.0 | 107.0 | 4.0 | 3.9 | -0.1 | -0.1 | -16.8 | |
| GIW-12 | 7/10/2018 10:08 | 11.5 | 54.6 | 0.1 | 33.8 | 103.3 | 103.5 | 2.6 | 2.4 | -0.1 | -0.1 | -16.3 | |
| GIW-12 | 7/20/2018 9:05 | 11.7 | 53.9 | 0.2 | 34.2 | 89.3 | 89.6 | 2.0 | 1.6 | -0.1 | -0.1 | -17.1 | |
| GIW-12 | 7/25/2018 14:22 | 11.6 | 55.9 | 0.1 | 32.4 | 104.5 | 104.5 | 3.0 | 3.2 | -0.1 | -0.1 | -17.9 | |
| GIW-12 | 7/31/2018 11:13 | 11.8 | 51.3 | 0.9 | 36.0 | 80.8 | 81.0 | 3.5 | 3.5 | -0.1 | -0.1 | -17.6 | |
| GIW-13 | 7/3/2018 13:34 | 29.2 | 54.4 | 0.0 | 16.4 | 108.3 | 108.3 | 3.0 | 4.0 | -1.1 | -1.1 | -12.6 | |
| GIW-13 | 7/3/2018 13:40 | 31.5 | 50.4 | 0.0 | 18.1 | 107.2 | 107.1 | 3.7 | 2.7 | -1.1 | -1.1 | -12.1 | |
| GIW-13 | 7/10/2018 10:06 | 28.8 | 57.5 | 0.0 | 13.7 | 105.2 | 105.3 | 2.8 | 2.1 | -1.1 | -1.1 | -11.0 | |
| GIW-13 | 7/20/2018 9:03 | 29.2 | 57.0 | 0.0 | 13.8 | 90.5 | 90.6 | 3.2 | 3.4 | -1.1 | -1.1 | -11.0 | |
| GIW-13 | 7/25/2018 14:19 | 32.8 | 53.6 | 0.0 | 13.6 | 99.9 | 100.0 | 2.8 | 3.2 | -1.4 | -1.4 | -13.5 | |
| GIW-13 | 7/31/2018 11:10 | 34.4 | 52.1 | 0.0 | 13.5 | 81.0 | 81.2 | 4.7 | 4.4 | -1.4 | -1.4 | -11.5 | |
| LCS-1D | 7/23/2018 7:28 | 28.5 | 21.9 | 11.1 | 38.5 | 79.6 | 79.6 | 3.7 | 2.5 | -19.8 | -19.7 | -19.3 | |
| LCS-1D | 7/23/2018 7:29 | 28.5 | 20.4 | 11.3 | 39.8 | 80.0 | 80.1 | 3.0 | 2.8 | -17.7 | -17.7 | -19.6 | |
| LCS-2D | 7/23/2018 7:20 | 56.8 | 43.2 | 0.0 | 0.0 | 71.6 | 71.6 | 3.6 | 3.0 | -19.5 | -19.4 | -19.6 | |
| LCS-3D | 7/23/2018 7:11 | 1.8 | 39.7 | 9.2 | 49.3 | 72.0 | 72.0 | 8.2 | 8.1 | -0.8 | -0.8 | -19.5 | |
| LCS-3D | 7/23/2018 7:13 | 1.6 | 41.1 | 9.3 | 48.0 | 72.3 | 72.3 | 11.2 | 10.3 | -0.9 | -0.9 | -19.6 | |
| LCS-5A | 7/3/2018 9:41 | 53.7 | 42.6 | 0.3 | 3.4 | 106.2 | 106.6 | 4.5 | 2.6 | -12.1 | -12.0 | -12.7 | |
| LCS-5A | 7/9/2018 10:07 | 54.9 | 39.9 | 0.4 | 4.8 | 104.5 | 104.8 | 10.1 | 5.9 | -11.7 | -11.7 | -12.9 | |
| LCS-5A | 7/18/2018 9:51 | 54.4 | 41.8 | 0.4 | 3.4 | 96.5 | 96.7 | 7.6 | 9.3 | -11.5 | -11.6 | -12.4 | |
| LCS-5A | 7/23/2018 9:11 | 56.5 | 39.7 | 0.3 | 3.5 | 92.9 | 93.1 | 15.4 | 14.0 | -11.7 | -11.4 | -12.4 | |
| LCS-5A | 7/30/2018 8:58 | 54.8 | 41.8 | 0.2 | 3.2 | 83.3 | 83.3 | 26.5 | 19.8 | -11.3 | -11.3 | -12.8 | |
| LCS-5B | 7/3/2018 10:08 | 51.9 | 43.7 | 0.0 | 4.4 | 150.5 | 150.5 | 21.0 | 23.4 | -3.6 | -3.6 | -13.0 | |
| LCS-5B | 7/3/2018 10:10 | 52.3 | 43.8 | 0.0 | 3.9 | 150.6 | 150.7 | 22.5 | 24.0 | -3.8 | -3.8 | -13.1 | |
| LCS-5B | 7/9/2018 10:19 | 52.9 | 43.0 | 0.0 | 4.1 | 149.3 | 149.2 | 19.9 | 20.4 | -2.7 | -2.6 | -12.9 | |
| LCS-5B | 7/9/2018 10:21 | 53.2 | 42.7 | 0.0 | 4.1 | 149.4 | 149.6 | 22.6 | 24.3 | -2.9 | -2.9 | -12.8 | |
| LCS-5B | 7/19/2018 13:55 | 53.3 | 41.0 | 0.2 | 5.5 | 147.6 | 147.8 | 20.4 | 21.8 | -2.3 | -2.3 | -13.2 | |
| LCS-5B | 7/19/2018 13:57 | 53.5 | 40.8 | 0.0 | 5.7 | 148.1 | 148.1 | 22.6 | 22.3 | -0.8 | -0.8 | -13.4 | |
| LCS-5B | 7/23/2018 9:25 | 53.8 | 42.7 | 0.0 | 3.5 | 148.1 | 147.9 | 21.5 | 21.8 | -2.8 | -2.8 | -12.9 | |
| LCS-5B | 7/23/2018 9:26 | 54.0 | 42.5 | 0.0 | 3.5 | 148.0 | 147.8 | 23.9 | 21.7 | -2.9 | -2.9 | -12.3 | |
| LCS-5B | 7/30/2018 9:08 | 53.1 | 42.7 | 0.0 | 4.2 | 147.1 | 147.2 | 23.4 | 27.3 | -2.0 | -2.0 | -12.2 | |
| LCS-5B | 7/30/2018 9:09 | 53.6 | 42.5 | 0.0 | 3.9 | 147.3 | 147.1 | 21.2 | 21.2 | -2.4 | -2.4 | -12.3 | |
| LCS-6B | 7/5/2018 10:27 | 54.2 | 43.1 | 0.0 | 2.7 | 110.3 | 110.5 | 7.5 | 7.5 | -0.2 | -0.2 | -12.4 | |
| LCS-6B | 7/10/2018 9:19 | 54.1 | 43.1 | 0.0 | 2.8 | 108.5 | 108.5 | 7.7 | 7.2 | -0.3 | -0.3 | -12.3 | |
| LCS-6B | 7/20/2018 8:06 | 55.2 | 44.1 | 0.0 | 0.7 | 97.2 | 97.2 | 8.5 | 9.4 | 0.1 | 0.1 | -12.4 | |
| LCS-6B | 7/20/2018 8:07 | 53.7 | 44.8 | 0.1 | 1.4 | 101.3 | 101.6 | 9.6 | 9.6 | -1.1 | -1.1 | -12.3 | |
| LCS-6B | 7/23/2018 10:28 | 55.1 | 41.1 | 0.4 | 3.4 | 112.1 | 112.2 | 8.7 | 8.7 | -1.3 | -1.3 | -12.4 | |
| LCS-6B | 7/31/2018 10:01 | 54.8 | 42.0 | 0.4 | 2.8 | 97.3 | 97.7 | 13.8 | 12.7 | 2.3 | 2.4 | -12.6 | |
| LCS-6B | 7/31/2018 10:03 | 53.7 | 43.1 | 0.2 | 3.0 | 102.6 | 101.8 | 8.0 | 7.0 | -2.3 | -2.3 | -12.9 | |
| SEW-002 | 7/17/2018 14:00 | 11.0 | 43.5 | 5.6 | 39.9 | 108.2 | 108.2 | 5.3 | 5.9 | -0.1 | -0.1 | -5.8 | |
| SEW-002 | 7/17/2018 14:02 | 11.3 | 42.9 | 5.6 | 40.2 | 108.2 | 108.1 | 7.0 | 7.0 | -0.1 | -0.1 | -5.1 | |
| SEW-002 | 7/31/2018 8:48 | 7.7 | 26.8 | 11.3 | 54.2 | 80.7 | 80.7 | 2.8 | 3.9 | -0.3 | -0.3 | -18.9 | |

| July 2018 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 | | | |
| SEW-002 | 7/31/2018 8:50 | 7.0 | 25.9 | 11.5 | 55.6 | 77.9 | 77.8 | 4.8 | 4.0 | -0.1 | -0.1 | -19.6 | |
| SEW-003 | 7/17/2018 13:54 | 4.5 | 52.0 | 1.7 | 41.8 | 126.0 | 126.1 | 13.7 | 13.9 | -0.2 | -0.2 | -20.4 | |
| T-56 | 7/5/2018 13:38 | 54.7 | 37.2 | 0.0 | 8.1 | 85.6 | 85.6 | 14.1 | 14.4 | -0.02 | -0.03 | -13.3 | |
| T-56 | 7/10/2018 9:46 | 56.9 | 38.3 | 0.0 | 4.8 | 84.9 | 84.9 | 12.8 | 13.4 | -0.02 | -0.02 | -13.4 | |
| T-56 | 7/20/2018 8:32 | 56.2 | 38.2 | 0.0 | 5.6 | 84.7 | 85.1 | 13.1 | 13.6 | -0.02 | -0.02 | -13.1 | |
| T-56 | 7/23/2018 10:50 | 50.1 | 36.5 | 0.0 | 13.4 | 85.7 | 85.8 | 13.0 | 13.2 | -0.04 | -0.02 | -13.5 | |
| T-56 | 7/31/2018 10:24 | 53.8 | 37.7 | 0.0 | 8.5 | 80.7 | 81.4 | 12.9 | 12.5 | -0.01 | -0.01 | -13.3 | |

ATTACHMENT D-2

MAXIMUM WELLHEAD TEMPERATURE TABLE

Wellfield Temperature - Bridgeton Landfill

| Well Name | | | | | Temp Trend | Comments |
|-----------|------------|----------|-----------|-----------|------------|----------|
| | April 2018 | May 2018 | June 2018 | July 2018 | | |
| GEW-002 | 116.0 | 117.2 | 116.0 | 118.6 | | |
| GEW-003 | 119.7 | 118.6 | 116.8 | 117.6 | | |
| GEW-004 | 114.8 | 115.5 | 117.4 | 118.4 | | |
| GEW-005 | 80.5 | 91.0 | 90.8 | 97.9 | | |
| GEW-006 | 87.7 | 89.1 | 89.0 | 92.9 | | |
| GEW-007 | 88.5 | 95.0 | 96.7 | 96.1 | | |
| GEW-008 | 112.9 | 114.4 | 114.9 | 114.5 | | |
| GEW-009 | 123.1 | 123.9 | 125.0 | 125.0 | | |
| GEW-010 | 67.7 | 94.4 | 105.2 | 107.7 | | |
| GEW-013A | 147.3 | 150.2 | 159.0 | 159.2 | | |
| GEW-015 | 155.9 | 103.6 | 104.1 | 97.4 | | |
| GEW-016R | 179.7 | 180.3 | 179.7 | 178.0 | | |
| GEW-018B | 163.3 | 175.3 | 176.9 | 174.3 | | |
| GEW-022R | 77.5 | 104.5 | 90.4 | 106.0 | | |
| GEW-038 | 54.7 | 93.4 | 113.0 | 113.9 | | |
| GEW-039 | 116.1 | 118.6 | 120.5 | 119.3 | | |
| GEW-040 | 75.2 | 94.3 | 94.8 | 101.8 | | |
| GEW-041R | 96.7 | 100.8 | 101.8 | 106.0 | | |
| GEW-042R | 100.4 | 107.0 | 107.8 | 109.7 | | |
| GEW-043R | 117.6 | 118.1 | 124.2 | 125.3 | | |
| GEW-044 | 88.4 | 97.6 | 101.4 | 104.0 | | |
| GEW-045R | 90.1 | 95.5 | 100.1 | 97.9 | | |
| GEW-046R | 103.0 | 101.1 | 102.2 | 102.3 | | |
| GEW-047R | 111.2 | 113.2 | 111.5 | 114.5 | | |
| GEW-048 | 94.1 | 102.5 | 102.3 | 104.6 | | |
| GEW-049 | 105.7 | 105.3 | 107.5 | 109.2 | | |
| GEW-050 | 103.1 | 106.4 | 107.0 | 106.5 | | |
| GEW-051 | 120.9 | 124.6 | 123.6 | 124.6 | | |
| GEW-052 | 111.6 | 113.5 | 114.0 | 113.2 | | |
| GEW-053 | 141.5 | 142.2 | 143.4 | 143.9 | | |
| GEW-054 | 144.5 | 143.5 | 144.2 | 144.5 | | |
| GEW-055 | 133.2 | 135.0 | 135.0 | 135.9 | | |
| GEW-056R | 85.6 | 118.4 | 124.5 | 123.4 | | |
| GEW-057B | 94.8 | 95.4 | 200.1 | 185.1 | | |
| GEW-057R | 88.9 | 102.3 | 98.7 | 100.1 | | |
| GEW-058 | 92.7 | 94.1 | 106.9 | 94.8 | | |
| GEW-058A | 91.3 | 89.8 | 106.5 | 95.0 | | |
| GEW-059R | 161.7 | 164.7 | 166.1 | 164.7 | | |
| GEW-067A | 93.4 | 112.5 | 118.6 | 130.5 | | |

Wellfield Temperature - Bridgeton Landfill

| Well Name | | | | | Temp Trend | Comments |
|-----------|------------|----------|-----------|-----------|------------|----------|
| | April 2018 | May 2018 | June 2018 | July 2018 | | |
| GEW-068A | 182.1 | 185.3 | 196.4 | 199.3 | | |
| GEW-077 | 125.6 | 137.4 | -- | -- | | |
| GEW-078R | 155.6 | 159.0 | 159.0 | 156.5 | | |
| GEW-081 | 74.1 | 101.9 | 89.1 | 109.5 | | |
| GEW-082R | 176.4 | 175.8 | 175.8 | 195.7 | | |
| GEW-086 | 71.8 | 98.7 | 103.0 | 114.0 | | |
| GEW-087 | 115.9 | 128.0 | 139.3 | 135.7 | | |
| GEW-088 | 197.9 | 197.2 | 196.4 | 192.9 | | |
| GEW-090 | 157.7 | 162.8 | 167.1 | 167.6 | | |
| GEW-091 | 182.6 | 195.0 | 195.0 | 192.8 | | |
| GEW-100 | 86.3 | 104.3 | 103.3 | 104.1 | | |
| GEW-101 | 85.6 | 105.7 | 108.5 | 111.0 | | |
| GEW-102 | 60.1 | 106.0 | 103.3 | 87.7 | | |
| GEW-104 | 205.4 | 200.8 | 193.5 | 162.4 | | |
| GEW-105 | 130.6 | 153.3 | 156.5 | 145.6 | | |
| GEW-106 | 92.9 | 86.8 | 109.2 | 194.0 | | |
| GEW-107 | 148.2 | 169.5 | 139.9 | 173.6 | | |
| GEW-108 | 123.1 | 136.5 | 148.0 | 143.9 | | |
| GEW-109 | 109.7 | 130.6 | 137.1 | 132.3 | | |
| GEW-110 | 77.0 | 103.7 | 115.8 | 118.1 | | |
| GEW-113 | 151.3 | 151.7 | 152.1 | 150.4 | | |
| GEW-116 | 193.6 | 194.3 | 193.7 | 191.4 | | |
| GEW-117 | 120.2 | 118.6 | 124.5 | 118.3 | | |
| GEW-118 | 197.2 | 197.9 | 192.3 | 197.2 | | |
| GEW-120 | 159.4 | 159.3 | 157.7 | 159.4 | | |
| GEW-121 | 174.2 | 174.2 | 173.1 | 174.8 | | |
| GEW-122 | 156.0 | 156.5 | 154.0 | 151.3 | | |
| GEW-123 | 156.0 | 156.1 | 154.4 | 130.3 | | |
| GEW-124 | 54.6 | 105.3 | 88.4 | 99.4 | | |
| GEW-125 | 163.8 | 176.4 | 179.2 | 179.9 | | |
| GEW-126 | 96.0 | 121.5 | 114.0 | 121.2 | | |
| GEW-127 | 186.4 | 184.4 | 179.2 | 177.7 | | |
| GEW-128 | 145.9 | 177.5 | 185.0 | 180.9 | | |
| GEW-129 | 167.1 | 197.9 | 185.5 | 194.0 | | |
| GEW-130 | 187.0 | 185.1 | 185.1 | 186.4 | | |
| GEW-131 | 158.5 | 157.3 | 131.2 | 156.7 | | |
| GEW-132 | 179.7 | 179.7 | 165.2 | 174.7 | | |
| GEW-133 | 167.1 | 172.1 | 168.8 | 167.1 | | |
| GEW-134 | 139.9 | 159.4 | 165.2 | 161.6 | | |

Wellfield Temperature - Bridgeton Landfill

| Well Name | | | | | Temp Trend | Comments |
|-----------|------------|----------|-----------|-----------|---|----------|
| | April 2018 | May 2018 | June 2018 | July 2018 | | |
| GEW-135 | 147.0 | 151.7 | 153.7 | 152.5 | | |
| GEW-136 | 126.9 | 141.5 | 128.6 | 132.9 | | |
| GEW-137 | 97.2 | 90.3 | 108.5 | 114.3 | | |
| GEW-138 | 134.1 | 127.0 | 134.7 | 136.6 | | |
| GEW-139 | 188.9 | 185.7 | 187.0 | 185.1 | | |
| GEW-140 | 190.2 | 166.1 | 189.3 | 188.9 | | |
| GEW-141 | 81.2 | 108.7 | 109.0 | 102.9 | | |
| GEW-142 | 83.7 | 98.4 | 105.7 | 97.9 | | |
| GEW-143 | 87.4 | 101.1 | 108.5 | 107.0 | | |
| GEW-144 | 79.3 | 101.1 | 97.7 | 93.3 | | |
| GEW-145 | 115.3 | 123.7 | 123.4 | 118.6 | | |
| GEW-146 | 87.0 | 102.1 | 112.0 | 105.8 | | |
| GEW-147 | 180.7 | 181.5 | 154.8 | 181.5 | | |
| GEW-148 | 174.7 | 117.8 | 178.6 | 139.9 |  | |
| GEW-149 | 126.9 | 138.9 | 141.9 | 119.7 | | |
| GEW-150 | 193.6 | 197.2 | 190.2 | 187.0 | | |
| GEW-151 | 172.6 | 135.0 | 100.8 | 183.1 |  | |
| GEW-152 | 115.5 | 119.6 | 119.9 | 119.2 | | |
| GEW-153 | 83.3 | 92.7 | 108.5 | 106.0 | | |
| GEW-154 | 75.7 | 112.4 | 115.3 | 110.7 | | |
| GEW-155 | 121.5 | 128.3 | 129.4 | 120.2 | | |
| GEW-156 | 102.5 | 109.8 | 113.6 | 122.6 | | |
| GEW-157 | 124.2 | 142.6 | 135.5 | 124.2 | | |
| GEW-158 | 130.6 | 160.2 | 167.4 | 161.1 | | |
| GEW-159 | 77.9 | 87.0 | 98.2 | 89.8 | | |
| GEW-160 | 75.5 | 104.8 | 101.8 | 111.7 | | |
| GEW-161 | 89.8 | 145.9 | 98.7 | 156.5 |  | |
| GEW-162 | 99.9 | 130.7 | 112.5 | 133.5 | | |
| GEW-163 | 182.1 | 177.9 | 170.5 | 166.7 | | |
| GEW-164 | 159.9 | 159.8 | 157.6 | 156.5 | | |
| GEW-165 | 180.3 | 181.0 | 179.8 | 178.0 | | |
| GEW-166 | 195.7 | 195.7 | 195.7 | 195.1 | | |
| GEW-167 | 193.3 | 191.7 | 191.5 | 190.2 | | |
| GEW-168 | 169.0 | 172.1 | 168.6 | 163.0 | | |
| GEW-169 | 185.7 | 187.6 | 187.6 | 187.0 | | |
| GEW-170 | 182.7 | 183.3 | 179.7 | 179.2 | | |
| GEW-171 | 75.0 | 116.8 | 162.9 | 100.9 |  | |
| GEW-172 | 90.9 | 175.8 | 175.2 | 183.3 | | |
| GEW-173 | 102.3 | 116.3 | 120.7 | 128.9 | | |

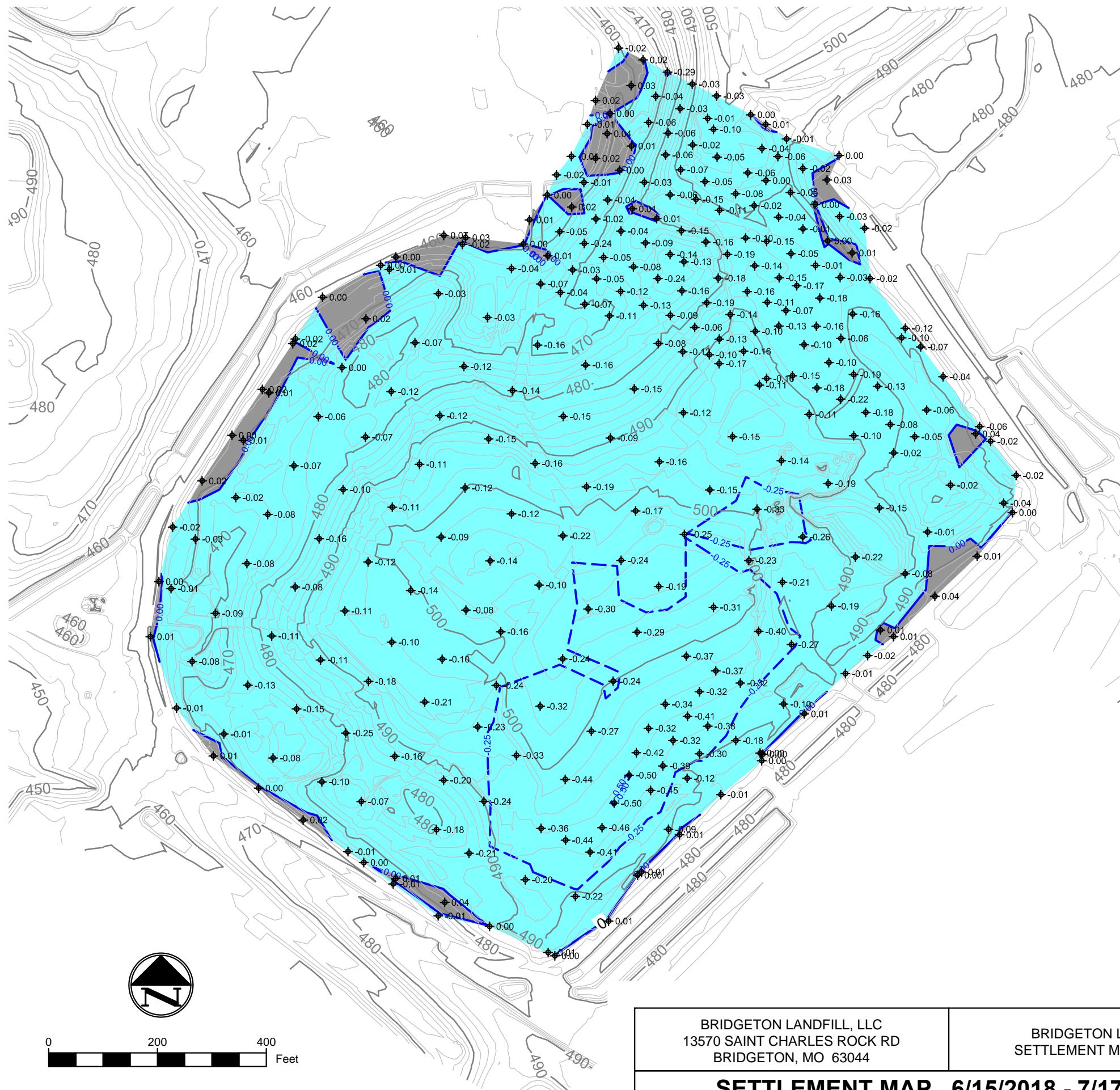
Wellfield Temperature - Bridgeton Landfill

| Well Name | | | | | Temp Trend | Comments |
|-----------|------------|----------|-----------|-----------|---|----------|
| | April 2018 | May 2018 | June 2018 | July 2018 | | |
| GEW-174 | 149.9 | 153.7 | 150.6 | 152.3 | | |
| GEW-175 | 174.7 | 175.8 | 157.7 | 176.1 | | |
| GEW-176 | 76.1 | 97.7 | 110.9 | 118.4 | | |
| GEW-177 | 192.3 | 196.4 | 195.0 | 190.9 | | |
| GEW-178 | 87.2 | 109.7 | 119.2 | 121.0 | | |
| GEW-179 | 125.3 | 139.3 | 140.8 | 140.0 | | |
| GEW-180 | 129.4 | 151.7 | 152.5 | 149.1 | | |
| GEW-181 | 159.4 | 159.4 | 158.5 | 160.2 | | |
| GEW-182 | 142.5 | 149.9 | 154.8 | 152.9 | | |
| GEW-184 | 83.8 | 117.4 | 122.9 | 128.7 | | |
| GEW-185 | 167.1 | 169.8 | 172.1 | 174.7 | | |
| GEW-186 | 139.3 | 150.5 | 145.8 | 146.3 | | |
| GEW-187 | 153.3 | 158.5 | 156.5 | 156.9 | | |
| GEW-188 | 94.1 | 128.3 | 130.2 | 135.0 | | |
| GEW-1A | 85.1 | 95.4 | 97.2 | 111.0 | | |
| GEW-2S | 82.3 | 83.9 | 87.9 | 96.0 | | |
| GIW-01 | 169.0 | 173.1 | 174.2 | 173.1 | | |
| GIW-02 | 56.7 | 99.4 | 109.5 | 111.2 | | |
| GIW-03 | 56.2 | 94.6 | 104.6 | 106.2 | | |
| GIW-04 | 55.7 | 98.4 | 102.1 | 110.8 | | |
| GIW-05 | 50.7 | 87.7 | 101.3 | 104.0 | | |
| GIW-06 | 53.2 | 92.4 | 106.0 | 107.8 | | |
| GIW-07 | 52.1 | 91.9 | 103.3 | 109.0 | | |
| GIW-08 | 58.0 | 94.5 | 115.5 | 113.7 | | |
| GIW-09 | 57.5 | 95.5 | 108.5 | 107.2 | | |
| GIW-10 | 53.1 | 96.5 | 103.0 | 103.0 | | |
| GIW-11 | 72.7 | 99.4 | 106.1 | 105.7 | | |
| GIW-12 | 68.6 | 96.7 | 105.9 | 107.0 | | |
| GIW-13 | 70.0 | 91.5 | 102.4 | 108.3 | | |
| LCS-1D | 46.6 | 114.3 | 139.4 | 80.0 |  | |
| LCS-2D | 72.9 | 84.6 | 88.8 | 71.6 | | |
| LCS-3D | 71.2 | 96.8 | 89.5 | 72.3 | | |
| LCS-4B | -- | -- | -- | -- | | |
| LCS-5A | 91.5 | 102.8 | 103.3 | 106.2 | | |
| LCS-5B | 142.5 | 149.5 | 148.8 | 150.6 | | |
| LCS-6B | 103.0 | 111.2 | 107.8 | 112.1 | | |
| SEW-002 | 68.8 | 92.2 | 109.2 | 108.2 | | |
| SEW-003 | 90.5 | 115.5 | 123.1 | 126.0 | | |
| T-56 | 56.2 | 71.4 | 79.3 | 85.7 | | |

-- = 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 |  |
| 2 | -4.00 | -3.00 | 0.00 |  |
| 3 | -3.00 | -2.00 | 0.00 |  |
| 4 | -2.00 | -1.00 | 0.00 |  |
| 5 | -1.00 | 0.00 | 1,463,290.95 |  |
| 6 | 0.00 | 1.00 | 74,516.74 |  |

LEGEND

- | | |
|------------|---|
| — | 12-1-2017 TOPOGRAPHY (2' CONTOUR) |
| — | 12-2-2017 TOPOGRAPHY (10' CONTOUR) |
| — .25 — | MINOR ELEVATION CHANGE CONTOUR (0.25 FEET) |
| — .50 — | MAJOR ELEVATION CHANGE CONTOUR (0.50 FEET) |
| ∅ -.03 | SPOT ELEVATION DIFFERENCE (6-15-2018 to 7-17-2018) |
| — 7-2018 — | *SETTLEMENT FRONT CONTOUR FOR AREA WITH 1.44' PER 32 DAYS FOR CURRENT PERIOD OF DAYS |
| | *NONE FOR JULY 2018 |

NOTES

- NOTE:

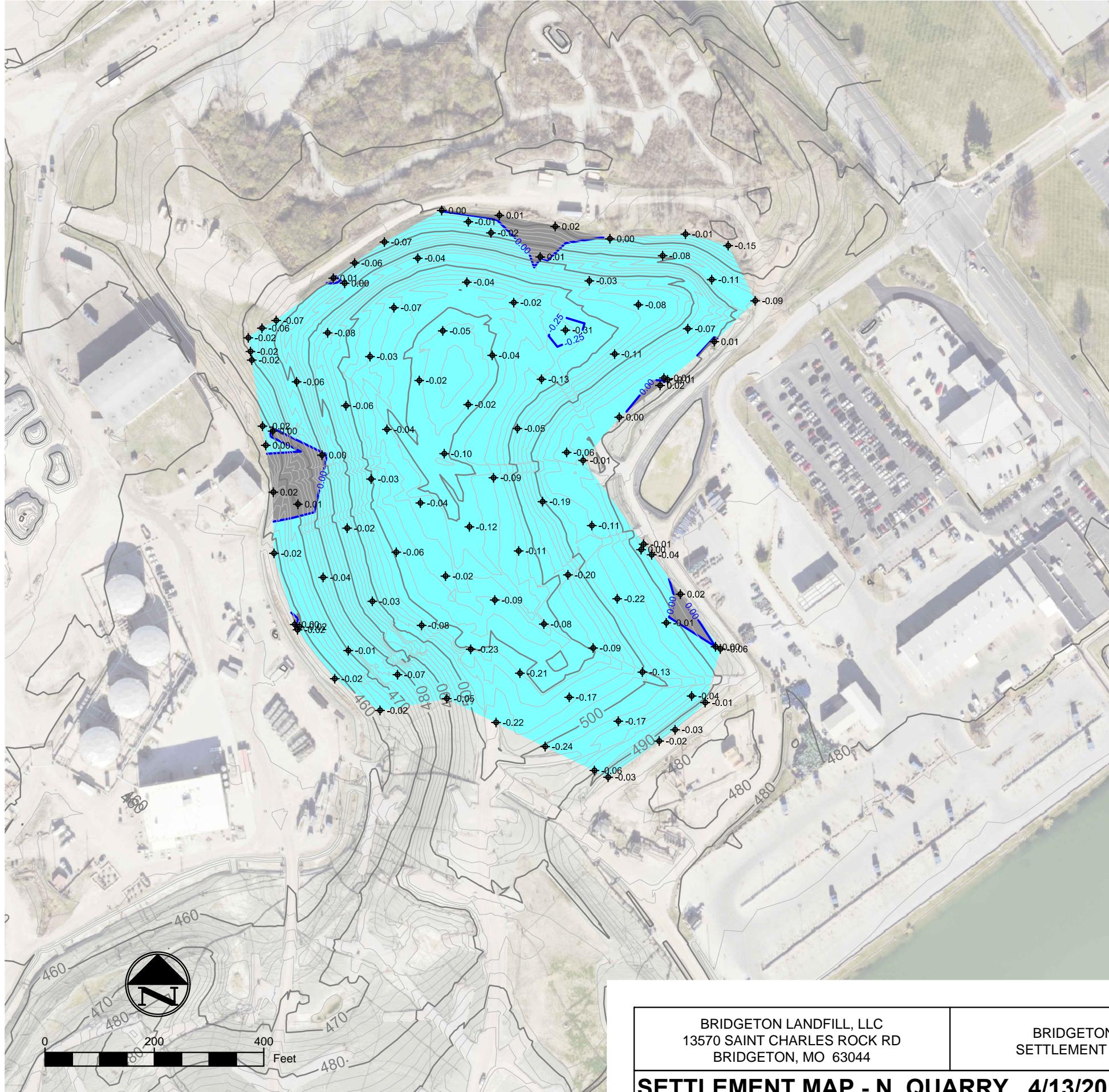
 1. EXISTING CONTOURS DEVELOPED FROM SITE AERIAL TOPOGRAPHIC SURVEY BY COOPER AERIAL SURVEYS CO. ON DECEMBER 1, 2017.
 2. FOR CLARITY, NOT ALL SITE FEATURES MAY BE SHOWN.
 3. ELEVATION DIFFERENCE DETERMINED BY SUBTRACTING SPOT ELEVATIONS SURVEYED ON 6-15-18 FROM SPOT ELEVATIONS SURVEYED ON 7-17-18.
 4. 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

| | | |
|--------------|------|--------------|
| JULY 2018 | | DRAWING NO.: |
| GNED BY: PML | | |
| OVED BY: DRF | | |
| ION | DATE | |
| | | |

FEEZOR ENGINEERING, INC.



| Thickness Map | | | | |
|---------------|---------------|---------------|-------------------|-------|
| Range | Minimum Depth | Maximum Depth | 2D Area (Sq. Ft.) | Color |
| 1 | -5.00 | -4.00 | 0.00 | |
| 2 | -4.00 | -3.00 | 0.00 | |
| 3 | -3.00 | -2.00 | 0.00 | |
| 4 | -2.00 | -1.00 | 0.00 | |
| 5 | -1.00 | 0.00 | 619,127.58 | |
| 6 | 0.00 | 1.00 | 23,053.05 | |

LEGEND

- | | |
|-------------------|---|
| ————— | 12-1-2017 TOPOGRAPHY (2' CONTOUR) |
| ————— | 12-1-2017 TOPOGRAPHY (10' CONTOUR) |
| ----- .25 ----- | MINOR ELEVATION CHANGE CONTOUR (0.25 FEET) |
| ----- .50 ----- | MAJOR ELEVATION CHANGE CONTOUR (0.50 FEET) |
| Φ -.03 | SPOT ELEVATION DIFFERENCE (4-13-2018 to 7-16-2018) |
| ————— 7-2018 ———— | *SETTLEMENT FRONT CONTOUR FOR AREA WITH 4.23' PER 94 DAYS FOR CURRENT PERIOD OF DAYS |
| | *NONE FOR 4-13-2018 THROUGH 7-16-2018 |

NOTE

1. EXISTING CONTOURS DEVELOPED FROM SITE AERIAL TOPOGRAPHIC SURVEY BY COOPER AERIAL SURVEYS CO. ON DECEMBER 1, 2017.
 2. FOR CLARITY, NOT ALL SITE FEATURES MAY BE SHOWN.
 3. ELEVATION DIFFERENCE DETERMINED BY SUBTRACTING SPOT ELEVATIONS SURVEYED ON 4-13-18 FROM SPOT ELEVATIONS SURVEYED ON 7-16-18.
 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

JULY 2018
SIGNED BY: PML
LOVED BY: DRF

Engineering for a Better World

SETTLEMENT MAP - N. QUARRY 4/13/2018 - 7-16-2018

PROJECT NUMBER: BT-145 | FILE PATH: C:\Users\plinius\Dropbox (Fezor Engineering)\Bridgeston\100-149\BT-145 (Agreed Order Reporting)\Quarterly Settlement\07-2018\Quarterly NQ Settlement 7-16-2018

DRAWING NO.:
003

ATTACHMENT F

LIQUID CHARACTERIZATION DATA AND DISCHARGE LOG

Bridgeton Landfill - Leachate PreTreatment Plant

July 2018

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 |
|--------------|---------------------------------|-------------|-------------|----------|
| 7/1/2018 | | | | 0 |
| 7/2/2018 | | | | 0 |
| 7/3/2018 | | | | 0 |
| 7/4/2018 | | | | 0 |
| 7/5/2018 | | | | 0 |
| 7/6/2018 | | | | 0 |
| 7/7/2018 | | | | 0 |
| 7/8/2018 | | | | 0 |
| 7/9/2018 | | | | 0 |
| 7/10/2018 | | | | 0 |
| 7/11/2018 | | | | 0 |
| 7/12/2018 | | | | 0 |
| 7/13/2018 | | | | 0 |
| 7/14/2018 | | | | 0 |
| 7/15/2018 | LPTP Activated Sludge/ Permeate | Tank 1 (T1) | MBI | 0 |
| 7/16/2018 | | | | 0 |
| 7/17/2018 | | | | 0 |
| 7/18/2018 | | | | 0 |
| 7/19/2018 | | | | 0 |
| 7/20/2018 | | | | 0 |
| 7/21/2018 | | | | 0 |
| 7/22/2018 | | | | 0 |
| 7/23/2018 | | | | 0 |
| 7/24/2018 | | | | 0 |
| 7/25/2018 | | | | 0 |
| 7/26/2018 | | | | 0 |
| 7/27/2018 | | | | 0 |
| 7/28/2018 | | | | 0 |
| 7/29/2018 | | | | 0 |
| 7/30/2018 | | | | 0 |
| 7/31/2018 | | | | 0 |
| Total | | | | 0 |

Direct Discharge to MSD

| Date | Waste | Source | Quantity (gal) |
|--------------|-------|---------------------------------------|------------------|
| 7/1/2018 | | | 93,352 |
| 7/2/2018 | | | 224,072 |
| 7/3/2018 | | | 256,488 |
| 7/4/2018 | | | 85,200 |
| 7/5/2018 | | | 128,584 |
| 7/6/2018 | | | 123,472 |
| 7/7/2018 | | | 240,216 |
| 7/8/2018 | | | 252,944 |
| 7/9/2018 | | | 232,376 |
| 7/10/2018 | | | 133,776 |
| 7/11/2018 | | | 129,472 |
| 7/12/2018 | | | 124,120 |
| 7/13/2018 | | | 123,024 |
| 7/14/2018 | | | 118,096 |
| 7/15/2018 | | Through Tank AST 97k LPTP Permeate | 122,856 |
| 7/16/2018 | | (MSD Sampling Point 013) | 162,056 |
| 7/17/2018 | | | 104,560 |
| 7/18/2018 | | | 249,888 |
| 7/19/2018 | | | 236,168 |
| 7/20/2018 | | | 200,544 |
| 7/21/2018 | | | 116,608 |
| 7/22/2018 | | | 112,160 |
| 7/23/2018 | | | 103,952 |
| 7/24/2018 | | | 127,304 |
| 7/25/2018 | | | 118,048 |
| 7/26/2018 | | | 199,816 |
| 7/27/2018 | | | 225,656 |
| 7/28/2018 | | | 187,768 |
| 7/29/2018 | | | 114,232 |
| 7/30/2018 | | | 110,704 |
| 7/31/2018 | | | 102,224 |
| Total | | | 4,859,736 |

ATTACHMENT G

VOLUMES OF LEACHATE PROCESSED

Bridgeton Landfill - Leachate Volumes
July 2018

Total volume of leachate from the individual leachate collection sumps during the month. Additional non-LCS leachate was collected and the total volume was 1,805,453 gallons. Therefore, the total leachate collected was 2,277,574 gallons.

| ID | Volume |
|---------|---------|
| LCS -1D | 560 |
| LCS-2D | 0 |
| LCS-3D | 115,433 |
| LCS-4B | 0 |
| LCS-5A | 293,632 |
| LCS-5B | 59,520 |
| LCS-6B | 2,976 |