



Eastgate Landfill 2018 Annual Summary Report

Mr. Tom Purcell
Structural Operations Manager
Parks & Community Services
Post Office Box 90012
Bellevue, WA 98009

SCS FIELD SERVICES

07216156.00.01 | March 12, 2019

Stephen Harquail, Project Manager
15940 SW 72nd Avenue
Portland, OR 97224
503-684-6948

Eastgate Landfill Annual Summary Report 2018

BACKGROUND

The Eastgate Area Properties Landfill site is a closed municipal solid waste landfill located off of 160th Avenue SE. The City of Bellevue (COB) and Advanta Office Holdings LLC own the Eastgate landfill property. The property is undeveloped and the COB intends to develop the site as a Community Park. The closed landfill accepted household waste between 1951 and 1964 and occupies approximately 10 acres. In 1986 the original GCCS was designed and installed. The current site GCCS consists of 2 Lampson blowers, 1 blower/carbon vent system, 20 vertical landfill gas(LFG) extraction wells, 14 subsurface gas migration monitoring wells, 13 condensate drain traps, and below grade lateral and main header piping systems.

Throughout 2018, when operating the GCCS and the carbon vent system, O&M was performed in accordance with the Discharge Confirmation Monitoring Program letter prepared by SCS Engineers, dated October 19, 2011.

Organic materials buried in a landfill decompose anaerobically (in the absence of oxygen) producing LFG a combustible gas that typically contains approximately 50 to 60 percent methane, 40 to 50 percent carbon dioxide, and trace amounts of various other gases, some of which are odorous. The Eastgate property contains a system to control the combustible gases generated in the landfill.

The LFG produced in a landfill will either vent vertically to the atmosphere or migrate horizontally through subsurface soil to locations on adjacent properties. If the soil surrounding a landfill consists of permeable materials, there is a greater likelihood that the LFG will migrate to off-site locations. If the methane gas component of LFG is allowed to accumulate in a confined area (i.e., utility lines, irrigation valve boxes, vaults, basements, wall spaces, etc.) and is exposed to an ignition source, it can be explosive at concentrations between 5 and 15 percent by volume. At higher concentrations, methane is flammable. However, the presence of methane gas in site soil does not mean there is an immediate threat of explosion because flames cannot typically propagate through soil.

GAS TESTING

Testing for methane gas (the combustible component of LFG), oxygen gas, carbon dioxide gas, and pressure were performed using either a Landtec GEM-2000/GEM-5000 Gas Analyzer or comparable unit. These instruments measure combustible gas concentrations in air directly on either of two scales: the first as percent by volume of the lower explosive limit (LEL) of methane gas in air (5 percent); the second as percent by volume (0 to 100 percent) in the gas sampled. Pressure and temperature data were also collected utilizing the GEM-2000/GEM-5000 Gas Analyzers. Testing for volatile organic compounds (VOC) at the blower vent station was performed using a MiniRAE 2000 portable VOC monitor.

LFG monitoring probe testing procedures are as follows:

- Connect sample tubing, observe relative pressure and record data.
- Turn on sample pump, extract a minimum of one probe volume, observe and record/store methane, oxygen, and carbon dioxide gas concentrations (when readings have stabilized).
- Disconnect sample equipment and secure sample location.

Extraction well and blower vent station testing procedures are as follows:

- Connect sample tubing; observe pressure, temperature, and record data.
- Turn on sample pump, observe and record/store methane, oxygen, and carbon dioxide gas concentrations (when readings have stabilized).
- For blower vent station VOC monitoring, turn on sample pump, connect sample tubing, observe and record/store VOC concentrations (when readings have stabilized).
- Disconnect sample equipment and secure sample location.

LFG MONITORING WELLS

In accordance with the approved 2018 testing schedule, LFG perimeter monitoring wells were tested twice each month. During each month, all perimeter monitoring wells were tested for the presence of LFG.

With more reliable and daily timer controlled operation of the blower vent station and on-going monthly GCCS and extraction well adjustments, the monthly testing indicated that, all monitoring wells exhibited methane gas concentration below 5 percent by volume or no methane gas was detected. Test results for the entire 2018 year and locations are shown on attached data Table 1 and location Figure 1, respectively.

Consistent with previous reports by the COB and other consulting firms, SCS continues to believe that any elevated methane gas concentrations detected in the perimeter monitoring wells during fall, winter and spring months are attributed to shallow water infiltration into the condensate drain traps and the gas collection piping system, restricting the amount of available vacuum to the LFG extraction wells.

During this reporting period, January through December 2018, no major repairs or modifications were needed or required on the LFG perimeter monitoring well network. During 2018, due to previously reported vandalism, the COB replaced/ modified the protective security monuments for Monitoring Well Nos. MW-9 and MW-10.

LFG EXTRACTION WELLS

In accordance with the approved 2018 monitoring schedule, perimeter and interior LFG extraction wells were monitored and vacuum/flow adjustments made twice each month. Test results are shown in attached data Table 2 and locations on Figure 1, respectively. System adjustments were performed when a LFG extraction well exhibited an unacceptable change in methane and/or oxygen gas concentration (which could be due to an overpull or underpull condition).

In addition, each month all perimeter and interior LFG extraction well vacuum and flow adjustments were performed to help maintain observed fluctuating methane gas concentrations detected at perimeter Monitoring Well Nos. MW-2, MW-3, and MW-4, to below 5 percent by volume.

Twice each month, LFG temperatures at all perimeter and interior LFG extraction wells were monitored (see attached data Table 2). The observed temperatures for the 2018 reporting year are considered to be in the low to normal range for anaerobic decomposition. No indication (high temperatures in excess of 130 degrees) of subsurface oxidation was detected or observed during any of the monthly monitoring events.

On September 4, 2018, SCS lowered the casing height at LFG Extraction Well No. EW-14 and replaced an age deteriorated flex hose.

During this reporting period, January through December 2018, no other additional repairs or modifications were needed or required on the LFG extraction well network.

LFG COLLECTION SYSTEM

In accordance with the approved 2018 monitoring schedule, visual observation of the LFG collection system was conducted at a minimum of twice each month. During these visits, observations were made to verify no pipe breakages had occurred and condensate drainage systems are working properly. Minor repairs were completed as required.

During monthly LFG extraction well monitoring activities, SCS conducts a pressure drop survey (i.e., measurement of pipeline pressure at various points throughout the LFG collection system). The results of this survey (where applicable) indicated that several partial below grade pipeline condensate restrictions within the LFG collection system existed during winter months and were causing decreased or no available vacuum to several extraction wells. SCS understands that, historically, groundwater levels at the site increase during winter/rain months which inhibits liquid to drain from some of the below grade pipeline condensate drain traps. A result of this occurrence is decreased or no available vacuum to some of the LFG extraction wells.

Review of vacuum profile data (during winter months) continues to indicate and SCS believes that Condensate Drain Trap Nos. CT-1 and CT-5R become inundated with liquid inhibiting condensate to drain freely from the main LFG pipelines. The results of this occurrence has historically been reduced vacuum to LFG Extraction Well Nos. EW-02R, EW-03R, and EW-10 through EW-15, and subsequent increased LFG migration to perimeter Monitoring Well Nos. MW-2, MW-3, MW-4 and MW-15. With more continuous daily operation of the blower vent station, LFG collection system vacuum decreases were observed to be less during the 2018 winter months resulting in maintaining all perimeter monitoring well locations below 5 percent by volume methane gas concentrations throughout the entire 2018 reporting year.

On November 14, 2018, as authorized by the COB, SCS installed an air bladder rubber plug into the liquid drain discharge pipe for Condensate Trap No. CT-5, in an attempt to help prevent groundwater liquids from backing up into the below grade LFG collection system piping.

LFG BLOWER VENT SYSTEM (BVS)

In accordance with the 2018 monitoring schedule, visual observation and testing of the LFG BVS was conducted at a minimum of twice each month. During these visits, operating parameters were monitored and mechanical and electrical components were checked for functionality.

During the annual reporting period from January 1 through December 31, 2018 the BVS automatic time controller was set and operated on average ten (10) hours per day/ seven days per week.

BVS test port monitoring results are shown in data Table 4. Monthly operational runtime information provided in data Table 4 shows that the BVS operated a total of 3,650 hours during the 2018 reporting year.

Twice per month during 2018, SCS performed carbon vent system VOC breakthrough field monitoring and results are provided in Table 3. The carbon vent system (while in operation) maintained the outlet VOC concentrations below the prescribed operating criteria with the exception that on October 11, 2018, SCS detected a substantial increase in VOC concentrations on the outlet of the BVS primary carbon drum. This observed substantial increase in VOC concentrations indicated that the carbon media and VOC removal efficiency within the primary drum was depleted and in need of replacement. On this day, the BVS was shut down and both the primary and secondary drums were replaced with new carbon drums. On this event, following the carbon drum relocation and replacement work, the BVS was restarted.

During this reporting period, January through December 2018, no other repairs or modifications were needed or required on the BVS.

SITE SURFACE OBSERVATION

In accordance with the 2018 monitoring schedule, visual observation of the landfill surface along the extent of the LFG extraction system is performed at a minimum of twice per month. Observations for erosion, surface cracks (that might allow LFG to escape or promote air intrusion) and settlement around wells, laterals, and pipelines are conducted

During this reporting period, no significant/major settlement, erosion or surface cracks that could adversely impact the LFG collection system operation was observed. Other minor surface erosion and cracks were repaired as needed.

Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW02D	1/9/2018 9:23	0.0	5.7	11.1	83.2	-0.09	
MW02D	1/26/2018 8:01	0.0	6.6	11.4	82.0	-0.33	
MW02D	2/8/2018 8:30	0.0	6.6	12.6	80.8	0.01	
MW02D	2/22/2018 8:17	0.0	6.9	11.1	82.0	-0.50	
MW02D	3/8/2018 9:26	0.0	3.9	14.6	81.5	0.40	
MW02D	3/15/2018 9:06	0.0	4.8	10.6	84.6	0.03	
MW02D	4/10/2018 10:12	0.0	4.5	9.6	85.9	-0.37	
MW02D	4/27/2018 9:44	0.0	4.1	12.0	83.9	-0.37	
MW02D	5/18/2018 8:51	0.0	1.8	18.1	80.1	-0.38	
MW02D	5/30/2018 9:01	0.0	1.2	18.4	80.4	-0.27	
MW02D	6/12/2018 9:46	0.0	3.6	14.8	81.6	0.04	
MW02D	6/26/2018 9:36	0.0	5.6	11.4	83.0	-0.38	
MW02D	7/10/2018 9:35	0.0	1.2	19.2	79.6	-0.94	
MW02D	7/27/2018 7:25	0.0	1.1	18.8	80.1	-0.04	
MW02D	8/14/2018 7:11	0.1	1.5	17.1	81.3	-0.30	
MW02D	8/28/2018 8:48	0.1	1.3	19.0	79.6	-0.30	
MW02D	9/4/2018 12:01	0.0	0.3	20.4	79.3	-0.06	
MW02D	9/24/2018 10:22	0.1	1.5	18.1	80.3	-0.49	
MW02D	10/11/2018 10:51	0.0	0.2	19.4	80.4	-0.35	
MW02D	10/29/2018 10:18	0.0	0.1	20.0	79.9	-0.56	
MW02D	11/8/2018 11:18	0.0	0.3	19.3	80.4	-0.12	
MW02D	11/14/2018 12:31	0.0	0.8	20.7	78.5	-0.23	
MW02D	12/7/2018 9:29	0.0	0.3	20.6	79.1	-0.20	
MW02D	12/18/2018 9:27	0.0	0.8	20.0	79.2	-0.65	
MW02M	1/9/2018 9:26	0.1	0.7	19.1	80.1	-0.20	
MW02M	1/26/2018 8:05	0.4	1.0	19.8	78.8	0.07	
MW02M	2/8/2018 8:34	0.0	0.4	20.6	79.0	0.16	
MW02M	2/22/2018 8:20	0.0	0.5	19.8	79.7	-0.05	
MW02M	3/8/2018 9:28	0.0	0.4	18.6	81.0	-0.03	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW02M	3/15/2018 9:10	0.0	0.8	19.4	79.8	0.01	
MW02M	4/10/2018 10:15	0.0	0.4	17.6	82.0	-0.04	
MW02M	4/27/2018 9:48	0.1	0.5	18.6	80.8	-0.16	
MW02M	5/18/2018 8:53	0.0	0.1	20.6	79.3	-0.13	
MW02M	5/30/2018 9:07	0.4	0.6	0.3	98.7	-0.18	
MW02M	6/12/2018 9:48	0.2	0.3	2.8	96.7	-0.01	
MW02M	6/26/2018 9:39	0.5	0.5	2.1	96.9	-0.32	
MW02M	7/10/2018 9:38	0.0	0.1	20.6	79.3	-0.08	
MW02M	7/27/2018 7:35	0.3	0.3	11.2	88.2	-0.16	
MW02M	8/14/2018 7:16	0.0	0.1	20.9	79.0	-0.21	
MW02M	8/28/2018 8:51	0.1	0.1	20.6	79.2	-0.17	
MW02M	9/4/2018 12:07	0.0	0.1	20.7	79.2	-0.05	
MW02M	9/24/2018 10:25	0.0	0.1	20.9	79.0	-0.31	
MW02M	10/11/2018 10:56	0.1	1.1	20.3	78.5	-0.61	
MW02M	10/29/2018 10:19	0.0	0.1	20.7	79.2	-0.34	
MW02M	11/8/2018 11:25	0.0	0.3	20.0	79.7	-0.14	
MW02M	11/14/2018 12:31	0.0	0.5	21.0	78.5	-0.48	
MW02M	12/7/2018 9:30	0.0	0.2	20.8	79.0	-0.33	
MW02M	12/18/2018 9:30	0.6	1.4	3.2	94.8	-0.47	
MW02S	1/9/2018 9:28	0.0	0.2	19.3	80.5	-0.03	
MW02S	1/26/2018 8:07	1.7	5.8	20.0	72.5	0.00	
MW02S	2/8/2018 8:36	0.4	0.3	20.6	78.7	-0.03	
MW02S	2/22/2018 8:22	1.3	4.3	11.9	82.5	-0.04	
MW02S	3/8/2018 9:30	1.7	3.7	17.8	76.8	-0.04	
MW02S	3/15/2018 9:12	1.7	5.4	8.2	84.7	0.05	
MW02S	4/10/2018 10:17	0.0	0.2	17.9	81.9	-0.05	
MW02S	4/27/2018 9:50	1.7	9.1	0.1	89.1	-0.04	
MW02S	5/18/2018 8:55	3.2	11.5	0.0	85.3	-0.06	
MW02S	5/30/2018 9:09	3.7	12.2	0.1	84.0	-0.04	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW02S	6/12/2018 9:49	1.1	12.3	0.1	86.5	0.02	
MW02S	6/26/2018 9:41	2.5	13.6	0.0	83.9	-0.01	
MW02S	7/10/2018 9:40	3.3	13.9	0.0	82.8	0.03	
MW02S	7/27/2018 7:37	3.4	11.6	2.5	82.5	0.03	
MW02S	8/14/2018 7:17	3.4	16.1	0.5	80.0	-0.01	
MW02S	8/28/2018 8:54	2.3	14.8	2.1	80.8	-0.01	
MW02S	9/4/2018 12:09	3.4	17.2	0.0	79.4	-0.08	
MW02S	9/24/2018 10:29	0.0	0.4	20.0	79.6	-0.96	
MW02S	10/11/2018 10:58	0.1	2.4	19.8	77.7	-0.31	
MW02S	10/29/2018 10:25	0.0	0.2	20.9	78.9	-0.02	
MW02S	11/8/2018 11:28	0.0	0.4	20.2	79.4	-0.22	
MW02S	11/14/2018 12:33	4.1	14.6	0.4	80.9	-0.13	
MW02S	12/7/2018 9:39	0.8	6.6	14.8	77.8	NR	
MW02S	12/18/2018 9:31	4.1	15.7	0.2	80.0	0.04	
MW03D	1/9/2018 9:34	3.2	16.3	3.0	77.5	-0.03	
MW03D	1/26/2018 8:14	0.0	0.5	4.4	95.1	0.01	
MW03D	2/8/2018 8:41	0.6	2.4	18.6	78.4	0.02	
MW03D	2/22/2018 8:29	3.0	11.9	8.5	76.6	0.01	
MW03D	3/8/2018 9:34	0.1	4.3	9.6	86.0	-0.03	
MW03D	3/15/2018 9:18	0.2	5.9	7.1	86.8	-0.04	
MW03D	4/10/2018 10:21	2.7	9.1	9.7	78.5	-0.05	
MW03D	4/27/2018 9:55	1.9	11.9	5.4	80.8	-0.10	
MW03D	5/18/2018 9:01	0.1	0.3	5.9	93.7	-0.15	
MW03D	5/30/2018 9:14	3.5	18.9	5.2	72.4	-0.06	
MW03D	6/12/2018 9:53	4.3	23.1	0.4	72.2	-0.02	
MW03D	6/26/2018 9:47	4.3	23.6	0.4	71.7	-0.50	
MW03D	7/10/2018 9:43	0.1	0.5	1.9	97.5	-0.08	
MW03D	7/27/2018 7:41	4.5	18.6	4.7	72.2	-0.09	
MW03D	8/14/2018 7:20	1.1	9.7	12.1	77.1	-0.06	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW03D	8/28/2018 8:57	0.8	8.9	12.8	77.5	-0.03	
MW03D	9/4/2018 12:13	3.3	19.8	3.6	73.3	-0.08	
MW03D	9/24/2018 10:31	3.2	24.1	0.3	72.4	-0.30	
MW03D	10/11/2018 11:01	2.8	24.5	0.0	72.7	-0.16	
MW03D	10/29/2018 10:28	2.6	24.0	0.4	73.0	-0.07	
MW03D	11/8/2018 11:31	2.7	22.1	0.8	74.4	-0.18	
MW03D	11/14/2018 12:35	1.4	14.4	7.4	76.8	-0.29	
MW03D	12/7/2018 9:43	0.9	23.2	0.0	75.9	-0.17	
MW03D	12/18/2018 9:34	1.3	23.5	0.2	75.0	-0.06	
MW03M	1/9/2018 9:36	2.9	13.2	4.6	79.3	-0.06	
MW03M	1/26/2018 8:16	0.0	0.5	2.7	96.8	-0.03	
MW03M	2/8/2018 8:43	4.2	15.0	4.7	76.1	0.03	
MW03M	2/22/2018 8:32	3.4	14.3	1.5	80.8	-0.01	
MW03M	3/8/2018 9:38	3.5	13.5	1.7	81.3	-0.04	
MW03M	3/15/2018 9:21	3.8	14.3	1.8	80.1	-0.03	
MW03M	4/10/2018 10:23	3.9	13.4	2.7	80.0	-0.04	
MW03M	4/27/2018 9:56	2.8	12.9	5.0	79.3	-0.04	
MW03M	5/18/2018 9:04	0.0	0.3	1.0	98.7	-0.08	
MW03M	5/30/2018 9:16	3.0	8.2	13.0	75.8	-0.11	
MW03M	6/12/2018 9:56	4.1	21.2	0.6	74.1	0.00	
MW03M	6/26/2018 9:49	0.2	1.0	18.5	80.3	0.03	
MW03M	7/10/2018 9:44	0.5	1.7	19.4	78.4	-0.11	
MW03M	7/27/2018 7:43	0.9	2.0	18.5	78.6	-0.01	
MW03M	8/14/2018 7:22	3.2	6.8	13.7	76.3	0.03	
MW03M	8/28/2018 9:14	0.1	0.4	2.7	96.8	0.00	
MW03M	9/4/2018 12:23	0.1	0.4	3.3	96.2	-0.02	
MW03M	9/24/2018 10:32	0.0	0.3	20.8	78.9	-0.36	
MW03M	10/11/2018 11:03	0.1	4.5	18.5	76.9	-0.21	
MW03M	10/29/2018 10:29	0.0	0.9	20.6	78.5	-0.05	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW03M	11/8/2018 11:35	1.8	14.6	5.0	78.6	-0.06	
MW03M	11/14/2018 12:36	3.9	20.7	0.2	75.2	-0.21	
MW03M	12/7/2018 9:45	3.9	19.2	1.3	75.6	-0.15	
MW03M	12/18/2018 9:36	3.9	23.1	0.2	72.8	-0.10	
MW03S	1/9/2018 9:38	0.6	14.9	2.6	81.9	-0.04	
MW03S	1/26/2018 8:19	1.6	12.0	8.1	78.3	-0.01	
MW03S	2/8/2018 8:46	1.0	5.2	15.6	78.2	-0.02	
MW03S	2/22/2018 8:35	0.0	0.3	20.2	79.5	0.04	
MW03S	3/8/2018 9:40	0.1	6.0	12.9	81.0	-0.04	
MW03S	3/15/2018 9:23	0.0	1.2	18.9	79.9	0.03	
MW03S	4/10/2018 10:25	0.3	17.2	0.0	82.5	-0.04	
MW03S	4/27/2018 9:58	0.0	0.4	19.0	80.6	-0.02	
MW03S	5/18/2018 9:06	0.0	0.1	20.7	79.2	-0.07	
MW03S	5/30/2018 9:18	0.0	0.1	20.8	79.1	-0.07	
MW03S	6/12/2018 9:58	0.0	3.7	18.1	78.2	0.00	
MW03S	6/26/2018 9:51	0.0	14.5	9.5	76.0	0.01	
MW03S	7/10/2018 9:46	0.0	0.1	20.6	79.3	0.08	
MW03S	7/27/2018 7:45	0.0	0.1	20.6	79.3	0.05	
MW03S	8/14/2018 7:24	0.0	0.1	20.9	79.0	0.00	
MW03S	8/28/2018 9:10	0.0	0.1	20.4	79.5	0.01	
MW03S	9/4/2018 12:14	0.0	0.1	20.5	79.4	-0.03	
MW03S	9/24/2018 10:33	0.0	0.2	21.1	78.7	-0.40	
MW03S	10/11/2018 11:04	0.0	0.9	20.8	78.3	-0.22	
MW03S	10/29/2018 10:30	0.2	9.6	10.8	79.4	0.00	
MW03S	11/8/2018 11:36	0.0	1.1	20.3	78.6	-0.25	
MW03S	11/14/2018 12:38	0.0	0.9	20.9	78.2	-0.12	
MW03S	12/7/2018 9:46	0.0	6.0	17.2	76.8	-0.27	
MW03S	12/18/2018 9:37	0.0	21.5	3.1	75.4	-0.06	
MW04D	1/9/2018 9:42	0.0	0.8	19.3	79.9	0.12	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW04D	1/26/2018 8:23	0.0	0.3	20.4	79.3	-0.08	
MW04D	2/8/2018 8:50	0.0	0.5	20.6	78.9	0.02	
MW04D	2/22/2018 8:41	0.0	0.3	20.3	79.4	-0.45	
MW04D	3/8/2018 9:45	0.0	0.5	18.8	80.7	-0.02	
MW04D	3/15/2018 9:27	0.0	0.2	20.0	79.8	-0.65	
MW04D	4/10/2018 10:29	0.0	0.3	18.9	80.8	0.02	
MW04D	4/27/2018 10:03	0.0	0.2	19.3	80.5	-0.02	
MW04D	5/18/2018 9:10	0.0	0.1	20.8	79.1	-0.04	
MW04D	5/30/2018 9:22	0.0	0.1	20.9	79.0	-0.03	
MW04D	6/12/2018 10:01	0.0	0.0	20.8	79.2	0.01	
MW04D	6/26/2018 9:55	0.0	0.1	18.8	81.1	0.01	
MW04D	7/10/2018 10:33	0.0	0.1	20.5	79.4	-0.02	
MW04D	7/27/2018 7:49	0.0	0.1	20.5	79.4	-0.01	
MW04D	8/14/2018 7:27	0.0	0.1	21.0	78.9	0.04	
MW04D	8/28/2018 9:20	0.0	0.1	20.5	79.4	0.03	
MW04D	9/4/2018 12:28	0.0	0.0	20.8	79.2	-0.01	
MW04D	9/24/2018 10:41	0.0	0.1	20.9	79.0	-0.25	
MW04D	10/11/2018 11:06	0.0	0.5	21.0	78.5	-0.39	
MW04D	10/29/2018 10:34	0.0	0.5	21.0	78.5	0.01	
MW04D	11/8/2018 11:38	0.0	0.5	20.7	78.8	-0.10	
MW04D	11/14/2018 12:42	0.0	0.2	20.9	78.9	-0.07	
MW04D	12/7/2018 9:55	0.0	0.3	20.9	78.8	NR	
MW04D	12/18/2018 9:41	0.0	0.4	21.0	78.6	-0.02	
MW04M	1/9/2018 9:44	1.6	10.4	0.9	87.1	-0.04	
MW04M	1/26/2018 8:25	3.2	14.4	1.2	81.2	-0.02	
MW04M	2/8/2018 8:52	0.0	10.5	6.8	82.7	-0.05	
MW04M	2/22/2018 8:43	0.0	0.1	20.4	79.5	-0.02	
MW04M	3/8/2018 9:47	3.3	10.8	5.5	80.4	0.16	
MW04M	3/15/2018 9:30	3.1	11.3	3.2	82.4	-0.01	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW04M	4/10/2018 10:31	0.0	0.1	19.0	80.9	-0.06	
MW04M	4/27/2018 10:04	2.9	5.8	7.2	84.1	0.04	
MW04M	5/18/2018 9:13	0.1	0.3	1.4	98.2	-0.27	
MW04M	5/30/2018 9:27	0.0	0.1	20.9	79.0	-0.05	
MW04M	6/12/2018 10:04	2.2	5.3	7.9	84.6	-0.04	
MW04M	6/26/2018 9:57	4.1	10.0	2.6	83.3	-0.23	
MW04M	7/10/2018 10:34	0.0	0.1	20.5	79.4	0.02	
MW04M	7/27/2018 7:50	1.6	5.1	7.3	86.0	-0.21	
MW04M	8/14/2018 7:29	2.6	8.4	6.0	83.0	-0.13	
MW04M	8/28/2018 9:22	0.0	0.1	20.5	79.4	-0.09	
MW04M	9/4/2018 12:29	0.1	1.5	14.9	83.5	-0.05	
MW04M	9/24/2018 10:42	0.0	0.1	20.9	79.0	-0.26	
MW04M	10/11/2018 11:08	2.6	4.6	8.5	84.3	-0.22	
MW04M	10/29/2018 10:35	4.0	14.1	0.7	81.2	-0.23	
MW04M	11/8/2018 11:40	2.9	9.3	6.9	80.9	-0.09	
MW04M	11/14/2018 12:43	3.9	8.0	4.4	83.7	-0.38	
MW04M	12/7/2018 9:56	0.0	0.3	20.9	78.8	-0.17	
MW04M	12/18/2018 9:42	1.0	6.6	9.7	82.7	-0.22	
MW04S	1/9/2018 9:46	0.6	15.8	0.6	83.0	-0.06	
MW04S	1/26/2018 8:26	1.0	16.9	0.0	82.1	-0.02	
MW04S	2/8/2018 8:54	0.0	11.4	5.9	82.7	0.03	
MW04S	2/22/2018 8:45	1.0	15.9	0.0	83.1	-0.05	
MW04S	3/8/2018 9:49	1.0	15.1	0.2	83.7	0.04	
MW04S	3/15/2018 9:31	0.9	15.1	0.0	84.0	-0.08	
MW04S	4/10/2018 10:33	0.6	14.8	0.0	84.6	-0.07	
MW04S	4/27/2018 10:06	0.3	15.1	0.0	84.6	-0.19	
MW04S	5/18/2018 9:15	0.0	16.5	5.8	77.7	-0.24	
MW04S	5/30/2018 9:29	0.0	16.3	5.6	78.1	-0.16	
MW04S	6/12/2018 10:06	0.0	15.2	5.2	79.6	-0.14	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW04S	6/26/2018 9:59	0.0	15.7	4.4	79.9	-0.14	
MW04S	7/10/2018 10:35	0.0	15.5	4.2	80.3	-0.06	
MW04S	7/27/2018 7:53	0.0	16.2	3.4	80.4	-0.22	
MW04S	8/14/2018 7:30	0.0	17.4	1.7	80.9	-0.14	
MW04S	8/28/2018 9:25	0.0	17.8	0.8	81.4	-0.19	
MW04S	9/4/2018 12:30	0.0	17.5	0.5	82.0	-0.06	
MW04S	9/24/2018 10:43	0.0	0.1	21.0	78.9	-0.45	
MW04S	10/11/2018 11:09	0.0	17.7	0.7	81.6	-0.38	
MW04S	10/29/2018 10:36	0.0	1.2	20.6	78.2	-0.15	
MW04S	11/8/2018 11:41	0.0	17.8	1.3	80.9	-0.19	
MW04S	11/14/2018 12:44	0.0	1.1	20.6	78.3	-0.13	
MW04S	12/7/2018 9:58	0.0	15.6	1.8	82.6	-0.20	
MW04S	12/18/2018 9:44	0.0	17.6	0.6	81.8	-0.25	
MW05D	1/9/2018 9:49	0.0	3.8	1.7	94.5	-0.07	
MW05D	1/26/2018 8:30	0.0	4.0	1.4	94.6	-0.05	
MW05D	2/8/2018 8:57	0.0	4.2	1.2	94.6	0.01	
MW05D	2/22/2018 8:49	0.0	4.2	1.1	94.7	0.06	
MW05D	3/8/2018 9:52	0.0	4.3	1.3	94.4	-0.01	
MW05D	3/15/2018 9:35	0.0	3.8	2.7	93.5	-0.32	
MW05D	4/10/2018 10:35	0.0	2.5	9.6	87.9	-3.33	
MW05D	4/27/2018 10:09	0.0	4.1	0.9	95.0	-0.01	
MW05D	5/18/2018 9:18	0.0	2.3	13.6	84.1	-1.96	
MW05D	5/30/2018 9:32	0.0	1.6	15.2	83.2	-0.07	
MW05D	6/12/2018 10:08	0.0	3.3	4.8	91.9	-0.01	
MW05D	6/26/2018 10:04	0.0	3.6	3.3	93.1	-0.10	
MW05D	7/10/2018 10:38	0.0	3.6	3.5	92.9	-0.04	
MW05D	7/27/2018 7:55	0.0	3.5	3.8	92.7	-0.09	
MW05D	8/14/2018 7:46	0.0	3.6	4.4	92.0	-0.05	
MW05D	8/28/2018 9:29	0.0	3.6	4.2	92.2	-0.07	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW05D	9/4/2018 12:37	0.0	3.2	3.9	92.9	-0.04	
MW05D	9/24/2018 10:45	0.0	1.7	19.6	78.7	-0.47	
MW05D	10/11/2018 11:11	0.0	4.9	17.8	77.3	-0.19	
MW05D	10/29/2018 10:39	0.0	3.9	5.6	90.5	-0.05	
MW05D	11/8/2018 11:44	0.0	3.8	3.9	92.3	-0.08	
MW05D	11/14/2018 12:46	0.0	3.7	3.8	92.5	-0.06	
MW05D	12/7/2018 10:01	0.0	4.3	3.3	92.4	-0.19	
MW05D	12/18/2018 9:47	0.0	4.1	3.1	92.8	-0.10	
MW05S	1/9/2018 9:50	0.0	13.0	2.6	84.4	-0.02	
MW05S	1/26/2018 8:32	0.0	12.9	2.7	84.4	-0.01	
MW05S	2/8/2018 8:59	0.0	10.8	4.2	85.0	0.06	
MW05S	2/22/2018 8:52	0.0	12.8	2.0	85.2	0.04	
MW05S	3/8/2018 9:54	0.0	12.5	2.2	85.3	-0.03	
MW05S	3/15/2018 9:37	0.0	11.8	2.6	85.6	0.00	
MW05S	4/10/2018 10:37	0.0	10.4	4.2	85.4	-0.05	
MW05S	4/27/2018 10:11	0.0	9.8	3.9	86.3	-0.01	
MW05S	5/18/2018 9:20	0.0	12.4	4.1	83.5	-0.14	
MW05S	5/30/2018 9:34	0.0	12.7	5.1	82.2	-0.02	
MW05S	6/12/2018 10:11	0.0	12.4	5.4	82.2	0.00	
MW05S	6/26/2018 10:06	0.0	12.8	4.9	82.3	-0.01	
MW05S	7/10/2018 10:39	0.0	11.7	6.9	81.4	0.19	
MW05S	7/27/2018 7:57	0.0	14.1	5.2	80.7	-0.01	
MW05S	8/14/2018 7:48	0.0	15.0	4.9	80.1	0.05	
MW05S	8/28/2018 9:31	0.0	15.4	4.5	80.1	-0.09	
MW05S	9/4/2018 12:39	0.0	15.2	4.0	80.8	-0.37	
MW05S	9/24/2018 10:46	0.0	12.7	7.9	79.4	-0.20	
MW05S	10/11/2018 11:12	0.0	9.6	8.1	82.3	-0.27	
MW05S	10/29/2018 10:40	0.0	12.7	7.1	80.2	0.01	
MW05S	11/8/2018 11:47	0.0	16.3	4.2	79.5	-0.11	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW05S	11/14/2018 12:47	0.0	14.1	4.6	81.3	-0.10	
MW05S	12/7/2018 10:06	0.0	16.4	3.5	80.1	-0.24	
MW05S	12/18/2018 9:48	0.0	16.0	3.5	80.5	-0.03	
MW06D	1/9/2018 9:54	0.0	1.6	16.4	82.0	-0.01	
MW06D	1/26/2018 8:35	0.0	1.5	17.2	81.3	0.03	
MW06D	2/8/2018 9:03	0.0	1.5	18.2	80.3	1.23	
MW06D	2/22/2018 9:14	0.0	1.4	16.8	81.8	0.03	
MW06D	3/8/2018 9:57	0.0	1.6	16.3	82.1	-0.03	
MW06D	3/15/2018 9:40	0.0	1.4	17.4	81.2	-0.02	
MW06D	4/10/2018 10:40	0.0	0.8	17.8	81.4	-0.13	
MW06D	4/27/2018 10:14	0.0	1.1	17.7	81.2	-0.03	
MW06D	5/18/2018 9:23	0.0	0.2	20.8	79.0	0.01	
MW06D	5/30/2018 9:39	0.0	0.6	19.9	79.5	-0.04	
MW06D	6/12/2018 10:13	0.0	0.9	19.7	79.4	0.03	
MW06D	6/26/2018 10:10	0.0	0.1	21.0	78.9	-0.02	
MW06D	7/10/2018 10:43	0.0	0.3	20.3	79.4	-0.03	
MW06D	7/27/2018 8:04	0.0	0.1	20.4	79.5	-0.05	
MW06D	8/14/2018 7:52	0.0	2.8	18.0	79.2	-0.01	
MW06D	8/28/2018 9:34	0.0	2.6	18.2	79.2	-0.04	
MW06D	9/4/2018 12:41	0.0	2.0	18.8	79.2	-0.22	
MW06D	9/24/2018 10:49	0.0	2.6	18.4	79.0	-0.32	
MW06D	10/11/2018 11:15	0.0	4.9	18.0	77.1	-0.22	
MW06D	10/29/2018 10:43	0.0	2.1	19.5	78.4	-0.11	
MW06D	11/8/2018 12:46	0.0	1.6	18.8	79.6	-0.17	
MW06D	11/14/2018 12:49	0.0	2.1	19.5	78.4	-0.12	
MW06D	12/7/2018 10:08	0.0	2.0	19.1	78.9	-0.26	
MW06D	12/18/2018 9:51	0.0	1.5	20.0	78.5	-0.16	
MW06S	1/9/2018 9:56	0.0	1.3	18.9	79.8	0.00	
MW06S	1/26/2018 8:38	0.0	1.2	20.1	78.7	0.01	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW06S	2/8/2018 9:05	0.0	1.2	20.3	78.5	0.02	
MW06S	2/22/2018 9:16	0.0	1.0	19.1	79.9	-0.02	
MW06S	3/8/2018 9:59	0.0	1.2	18.4	80.4	-0.05	
MW06S	3/15/2018 9:42	0.0	1.1	19.5	79.4	-0.11	
MW06S	4/10/2018 10:42	0.0	1.2	18.3	80.5	-0.04	
MW06S	4/27/2018 10:16	0.0	1.4	18.2	80.4	-0.02	
MW06S	5/18/2018 9:25	0.0	2.2	18.9	78.9	-0.03	
MW06S	5/30/2018 9:41	0.0	2.3	19.2	78.5	-0.04	
MW06S	6/12/2018 10:16	0.0	2.0	19.2	78.8	0.02	
MW06S	6/26/2018 10:13	0.0	2.4	18.5	79.1	-0.01	
MW06S	7/10/2018 10:44	0.0	2.6	18.2	79.2	0.11	
MW06S	7/27/2018 8:06	0.0	3.1	17.3	79.6	-0.07	
MW06S	8/14/2018 7:53	0.0	4.0	17.1	78.9	-0.01	
MW06S	8/28/2018 9:36	0.0	3.8	17.2	79.0	-0.01	
MW06S	9/4/2018 12:43	0.0	3.1	18.2	78.7	-0.24	
MW06S	9/24/2018 10:50	0.0	3.0	18.1	78.9	-0.18	
MW06S	10/11/2018 11:16	0.0	2.5	19.5	78.0	-0.16	
MW06S	10/29/2018 10:44	0.0	1.9	19.6	78.5	0.02	
MW06S	11/8/2018 12:48	0.0	1.7	18.8	79.5	-0.07	
MW06S	11/14/2018 12:50	0.0	1.5	19.7	78.8	-0.03	
MW06S	12/7/2018 10:10	0.0	1.4	20.1	78.5	-0.18	
MW06S	12/18/2018 9:53	0.0	1.6	19.9	78.5	-0.12	
MW08D	1/9/2018 10:12	0.0	0.4	20.0	79.6	-0.03	
MW08D	1/26/2018 8:41	0.0	0.5	20.5	79.0	-0.08	
MW08D	2/8/2018 9:30	0.0	0.5	18.9	80.6	0.00	
MW08D	2/22/2018 9:41	0.0	0.3	19.6	80.1	0.01	
MW08D	3/8/2018 10:05	0.0	0.3	19.3	80.4	-0.03	
MW08D	3/15/2018 10:16	0.0	0.1	17.4	82.5	0.02	
MW08D	4/10/2018 10:46	0.0	0.2	19.3	80.5	-0.02	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW08D	4/27/2018 10:59	0.0	0.2	20.8	79.0	-1.95	
MW08D	5/18/2018 9:54	0.0	0.1	20.9	79.0	0.00	
MW08D	5/30/2018 9:48	0.0	0.2	21.0	78.8	0.01	
MW08D	6/12/2018 10:21	0.0	0.0	21.3	78.7	-0.01	
MW08D	6/26/2018 10:19	0.0	0.2	21.0	78.8	0.00	
MW08D	7/10/2018 10:47	0.0	0.1	20.7	79.2	-0.25	
MW08D	7/27/2018 8:10	0.0	0.1	20.4	79.5	-0.02	
MW08D	8/14/2018 7:57	0.0	0.2	20.7	79.1	0.03	
MW08D	8/28/2018 9:41	0.1	0.2	20.6	79.1	-0.04	
MW08D	9/4/2018 12:47	0.0	0.1	21.2	78.7	-5.20	
MW08D	9/24/2018 10:54	0.0	0.2	21.2	78.6	-2.37	
MW08D	9/24/2018 10:57	0.0	0.1	20.9	79.0	-0.23	
MW08D	10/11/2018 11:22	0.0	0.2	20.9	78.9	-15.06	
MW08D	10/29/2018 10:49	0.0	0.3	20.9	78.8	-32.24	
MW08D	11/8/2018 12:51	0.0	0.4	20.1	79.5	-0.10	
MW08D	11/14/2018 12:53	0.0	0.6	20.9	78.5	-0.01	
MW08D	12/7/2018 10:14	0.0	0.4	20.9	78.7	-0.18	
MW08D	12/18/2018 10:06	0.0	0.2	20.9	78.9	-0.05	
MW08M	1/9/2018 10:14	0.0	3.0	17.4	79.6	-0.01	
MW08M	1/26/2018 8:43	0.0	3.5	17.3	79.2	0.58	
MW08M	2/8/2018 9:32	0.0	2.7	16.4	80.9	-0.01	
MW08M	2/22/2018 9:43	0.0	2.4	16.8	80.8	0.01	
MW08M	3/8/2018 10:06	0.0	2.1	17.0	80.9	-0.14	
MW08M	3/15/2018 10:18	0.0	1.5	16.0	82.5	0.05	
MW08M	4/10/2018 10:49	0.0	1.8	17.5	80.7	-0.01	
MW08M	4/27/2018 11:02	0.0	2.7	18.1	79.2	-0.04	
MW08M	5/18/2018 9:56	0.0	3.6	17.4	79.0	-0.03	
MW08M	5/30/2018 9:52	0.0	3.2	17.8	79.0	0.07	
MW08M	6/12/2018 10:23	0.0	2.8	18.3	78.9	0.00	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW08M	6/26/2018 10:22	0.0	3.1	18.0	78.9	-0.02	
MW08M	7/10/2018 10:52	0.0	0.0	21.0	79.0	0.18	
MW08M	7/27/2018 8:12	0.0	1.3	19.2	79.5	-0.07	
MW08M	8/14/2018 7:58	0.0	1.4	19.5	79.1	-0.01	
MW08M	8/28/2018 9:44	0.0	1.5	19.4	79.1	-0.10	
MW08M	9/4/2018 12:48	0.0	1.0	20.5	78.5	-0.24	
MW08M	9/24/2018 10:58	0.0	0.2	20.9	78.9	-0.44	
MW08M	10/11/2018 11:23	0.0	0.1	21.0	78.9	-0.27	
MW08M	10/29/2018 10:50	0.0	0.2	21.1	78.7	-0.41	
MW08M	11/8/2018 12:53	0.0	0.2	20.2	79.6	-0.14	
MW08M	11/14/2018 12:54	0.0	0.3	21.0	78.7	-0.14	
MW08M	12/7/2018 10:15	0.0	0.4	20.7	78.9	-0.25	
MW08M	12/18/2018 10:08	0.0	1.0	20.2	78.8	-0.09	
MW08S	1/9/2018 10:16	0.0	3.3	17.0	79.7	-0.01	
MW08S	1/26/2018 8:45	0.0	3.8	17.0	79.2	0.17	
MW08S	2/8/2018 9:33	0.0	3.4	16.5	80.1	0.07	
MW08S	2/22/2018 9:48	0.0	2.9	16.8	80.3	0.02	
MW08S	3/8/2018 10:09	0.0	2.4	17.0	80.6	0.06	
MW08S	3/15/2018 10:20	0.0	2.1	16.1	81.8	0.10	
MW08S	4/10/2018 10:50	0.0	2.7	16.9	80.4	-0.04	
MW08S	4/27/2018 11:04	0.0	3.2	17.8	79.0	-0.02	
MW08S	5/18/2018 9:57	0.0	3.8	17.2	79.0	0.02	
MW08S	5/30/2018 9:53	0.0	5.2	15.8	79.0	0.00	
MW08S	6/12/2018 10:25	0.0	5.2	16.3	78.5	-0.01	
MW08S	6/26/2018 10:24	0.0	3.7	18.0	78.3	0.02	
MW08S	7/10/2018 10:54	0.0	3.0	18.7	78.3	0.20	
MW08S	7/27/2018 8:13	0.0	2.7	18.3	79.0	-0.03	
MW08S	8/14/2018 8:00	0.0	3.0	18.3	78.7	-0.03	
MW08S	8/28/2018 9:46	0.0	2.1	19.1	78.8	-0.09	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW08S	9/4/2018 12:50	0.0	1.7	20.0	78.3	-0.34	
MW08S	9/24/2018 10:59	0.0	1.0	20.6	78.4	-0.30	
MW08S	10/11/2018 11:24	0.0	0.1	21.0	78.9	-0.19	
MW08S	10/29/2018 10:52	0.0	0.1	21.0	78.9	0.00	
MW08S	11/8/2018 12:55	0.0	0.1	20.3	79.6	-0.19	
MW08S	11/14/2018 12:57	0.0	2.4	20.3	77.3	-0.13	
MW08S	12/7/2018 10:17	0.0	3.0	18.0	79.0	-0.19	
MW08S	12/18/2018 10:09	0.0	2.9	18.7	78.4	-0.01	
MW09D	1/9/2018 10:19	0.0	0.7	20.0	79.3	-0.01	
MW09D	1/26/2018 8:51	0.0	0.7	20.5	78.8	-0.05	
MW09D	2/8/2018 9:37	0.0	0.7	20.1	79.2	0.06	
MW09D	2/22/2018 9:57	0.0	0.5	20.0	79.5	0.05	
MW09D	3/8/2018 10:12	0.0	0.6	19.3	80.1	0.18	
MW09D	3/15/2018 10:23	0.0	0.3	18.7	81.0	0.04	
MW09D	4/10/2018 10:54	0.0	0.2	19.5	80.3	1.91	
MW09D	4/27/2018 11:09	0.0	0.1	21.0	78.9	-0.01	
MW09D	5/18/2018 10:00	0.0	0.1	20.9	79.0	-0.01	
MW09D	5/30/2018 9:58	0.0	0.1	20.8	79.1	-0.02	
MW09D	6/12/2018 10:32	0.0	0.0	20.7	79.3	0.04	
MW09D	6/26/2018 10:28	0.0	0.1	20.8	79.1	-0.45	
MW09D	7/10/2018 10:59	0.0	0.1	21.0	78.9	0.02	
MW09D	7/27/2018 8:17	0.0	0.1	20.4	79.5	0.00	
MW09D	8/14/2018 8:10	0.0	1.1	20.0	78.9	0.02	
MW09D	8/28/2018 9:51	0.0	0.9	20.0	79.1	-0.02	
MW09D	9/4/2018 12:56	0.0	0.7	20.9	78.4	-0.20	
MW09D	9/24/2018 11:02	0.0	0.9	20.2	78.9	-5.35	
MW09D	10/11/2018 11:28	0.0	0.8	20.3	78.9	-0.15	
MW09D	10/29/2018 10:54	0.0	0.8	20.2	79.0	0.06	
MW09D	11/8/2018 12:59	0.0	0.6	19.9	79.5	-0.11	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW09D	11/14/2018 13:04	0.0	0.2	20.9	78.9	NR	
MW09D	12/7/2018 10:23	0.0	0.7	20.4	78.9	-3.02	
MW09D	12/18/2018 10:12	0.0	1.5	19.1	79.4	0.00	
MW09M	1/9/2018 10:21	0.0	2.2	11.7	86.1	-0.04	
MW09M	1/26/2018 8:53	0.0	2.5	13.3	84.2	-0.01	
MW09M	2/8/2018 9:39	0.0	1.6	17.3	81.1	-0.05	
MW09M	2/22/2018 9:59	0.0	0.2	20.2	79.6	-0.02	
MW09M	3/8/2018 10:14	0.0	0.7	19.1	80.2	0.18	
MW09M	3/15/2018 10:25	0.0	0.2	19.0	80.8	-0.05	
MW09M	4/10/2018 10:55	0.0	0.2	19.5	80.3	-0.70	
MW09M	4/27/2018 11:10	0.0	0.1	21.1	78.8	0.01	
MW09M	5/18/2018 10:02	0.0	0.1	20.9	79.0	-0.05	
MW09M	5/30/2018 10:00	0.0	0.1	20.8	79.1	-0.02	
MW09M	6/12/2018 10:34	0.0	0.1	20.7	79.2	0.03	
MW09M	6/26/2018 10:30	0.0	0.2	20.8	79.0	-0.11	
MW09M	7/10/2018 11:01	0.0	0.1	20.9	79.0	-0.04	
MW09M	7/27/2018 8:18	0.0	0.1	20.5	79.4	0.01	
MW09M	8/14/2018 8:13	0.0	0.9	20.1	79.0	0.06	
MW09M	8/28/2018 9:53	0.0	1.0	19.9	79.1	-0.02	
MW09M	9/4/2018 12:58	0.0	0.6	21.2	78.2	-0.21	
MW09M	9/24/2018 11:03	0.0	1.0	20.2	78.8	-0.90	
MW09M	10/11/2018 11:29	0.0	1.0	20.2	78.8	-0.40	
MW09M	10/29/2018 10:56	0.0	1.1	20.2	78.7	-0.43	
MW09M	11/8/2018 13:01	0.0	1.0	19.5	79.5	-0.07	
MW09M	11/14/2018 13:06	0.0	0.9	18.9	80.2	-0.70	
MW09M	12/7/2018 10:25	0.0	0.9	19.9	79.2	-0.18	
MW09M	12/18/2018 10:13	0.0	2.6	16.5	80.9	-0.61	
MW09S	1/9/2018 10:22	0.0	0.9	19.4	79.7	-0.03	
MW09S	1/26/2018 8:56	0.0	0.2	20.6	79.2	-0.01	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW09S	2/8/2018 9:40	0.0	0.3	20.5	79.2	0.05	
MW09S	2/22/2018 10:01	0.0	0.1	20.3	79.6	-0.01	
MW09S	3/8/2018 10:16	0.0	0.3	19.3	80.4	-0.06	
MW09S	3/15/2018 10:27	0.0	0.1	19.1	80.8	-0.09	
MW09S	4/10/2018 10:57	0.0	0.5	19.2	80.3	-0.09	
MW09S	4/27/2018 11:12	0.0	0.1	21.1	78.8	-0.01	
MW09S	5/18/2018 10:04	0.0	0.1	20.9	79.0	0.01	
MW09S	5/30/2018 10:03	0.0	0.1	20.8	79.1	-0.01	
MW09S	6/12/2018 10:35	0.0	0.1	20.7	79.2	0.03	
MW09S	6/26/2018 10:31	0.0	0.2	20.8	79.0	0.00	
MW09S	7/10/2018 11:03	0.0	0.1	20.9	79.0	-0.05	
MW09S	7/27/2018 8:20	0.0	0.1	20.6	79.3	0.00	
MW09S	8/14/2018 8:14	0.0	2.0	19.4	78.6	0.04	
MW09S	8/28/2018 9:56	0.0	6.7	15.2	78.1	-0.01	
MW09S	9/4/2018 13:00	0.0	4.2	19.3	76.5	-0.26	
MW09S	9/24/2018 11:04	0.0	1.0	20.2	78.8	-0.38	
MW09S	10/11/2018 11:30	0.0	1.1	20.2	78.7	-0.18	
MW09S	10/29/2018 10:57	0.0	1.0	20.3	78.7	0.08	
MW09S	11/8/2018 13:02	0.0	2.8	18.4	78.8	-0.03	
MW09S	11/14/2018 13:07	0.0	0.6	20.5	78.9	-0.15	
MW09S	12/7/2018 10:28	0.0	6.4	12.3	81.3	-0.14	
MW09S	12/18/2018 10:14	0.0	1.9	18.8	79.3	-0.16	
MW10D	1/9/2018 10:25	0.0	0.2	20.3	79.5	-0.04	
MW10D	1/26/2018 8:57	0.0	0.2	20.7	79.1	-0.02	
MW10D	2/8/2018 9:43	0.0	0.2	20.7	79.1	-0.06	
MW10D	2/22/2018 10:03	0.0	0.1	20.3	79.6	0.45	
MW10D	3/8/2018 10:18	0.0	0.2	19.5	80.3	0.11	
MW10D	3/15/2018 10:29	0.0	0.1	19.4	80.5	0.02	
MW10D	4/10/2018 10:59	0.0	0.1	19.6	80.3	-0.02	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW10D	4/27/2018 11:16	0.0	0.0	20.9	79.1	NR	
MW10D	5/18/2018 10:07	0.0	0.1	20.9	79.0	0.00	
MW10D	5/30/2018 10:05	0.0	0.1	20.9	79.0	0.01	
MW10D	6/12/2018 10:40	0.0	0.0	20.7	79.3	0.04	
MW10D	6/26/2018 10:33	0.0	0.1	20.9	79.0	-0.04	
MW10D	7/10/2018 11:05	0.0	0.1	20.9	79.0	0.17	
MW10D	7/27/2018 8:23	0.0	0.1	20.6	79.3	-0.03	
MW10D	8/14/2018 8:18	0.0	0.3	20.6	79.1	0.04	
MW10D	8/28/2018 10:01	0.5	0.3	20.5	78.7	-0.01	
MW10D	9/4/2018 13:03	0.0	0.2	21.6	78.2	-0.19	
MW10D	9/24/2018 11:22	0.0	0.4	20.5	79.1	-0.23	
MW10D	10/11/2018 11:33	0.0	1.4	20.2	78.4	-1.44	
MW10D	10/29/2018 10:59	0.0	0.7	20.9	78.4	0.80	
MW10D	11/8/2018 13:06	0.0	0.6	20.5	78.9	-0.18	
MW10D	11/14/2018 13:09	0.0	0.7	20.7	78.6	-4.37	
MW10D	12/7/2018 10:35	0.0	1.8	20.1	78.1	-8.64	
MW10D	12/18/2018 10:17	0.0	1.0	20.6	78.4	0.13	
MW10S	1/9/2018 10:26	0.0	0.2	20.4	79.4	-0.02	
MW10S	1/26/2018 8:58	0.0	0.1	20.8	79.1	-0.04	
MW10S	2/8/2018 9:44	0.0	0.2	20.8	79.0	0.01	
MW10S	2/22/2018 10:59	0.0	0.2	20.8	79.0	-0.01	
MW10S	3/8/2018 10:19	0.0	0.2	19.5	80.3	-0.04	
MW10S	3/15/2018 10:30	0.0	0.1	19.6	80.3	0.07	
MW10S	4/10/2018 11:00	0.0	0.1	19.7	80.2	-0.02	
MW10S	4/27/2018 11:18	0.0	0.0	20.9	79.1	-0.04	
MW10S	5/18/2018 10:08	0.0	0.2	20.9	78.9	0.01	
MW10S	5/30/2018 10:06	0.1	3.3	19.2	77.4	0.00	
MW10S	6/12/2018 10:41	0.0	17.9	5.2	76.9	0.03	
MW10S	6/26/2018 10:36	0.0	17.4	6.6	76.0	0.04	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW10S	7/10/2018 11:06	0.0	14.3	8.9	76.8	0.00	
MW10S	7/27/2018 8:24	0.0	12.7	9.4	77.9	-0.05	
MW10S	8/14/2018 8:20	0.0	11.9	10.8	77.3	0.03	
MW10S	8/28/2018 10:04	0.0	11.9	10.5	77.6	-0.15	
MW10S	9/4/2018 13:05	0.0	10.8	11.3	77.9	-0.20	
MW10S	9/24/2018 11:23	0.0	10.4	11.2	78.4	-0.29	
MW10S	10/11/2018 11:34	0.0	8.2	12.1	79.7	-0.20	
MW10S	10/29/2018 11:02	0.0	8.5	11.8	79.7	-0.16	
MW10S	11/8/2018 13:07	0.0	11.6	8.2	80.2	-0.09	
MW10S	11/14/2018 13:10	0.0	8.1	10.2	81.7	-0.06	
MW10S	12/7/2018 10:36	0.0	15.1	2.5	82.4	-0.19	
MW10S	12/18/2018 10:18	0.0	15.3	1.0	83.7	0.01	
MW12D	1/9/2018 10:31	0.0	5.5	12.4	82.1	-0.03	
MW12D	1/26/2018 9:03	0.0	6.9	10.2	82.9	-0.30	
MW12D	2/8/2018 9:49	0.0	7.3	7.6	85.1	0.00	
MW12D	2/22/2018 10:11	0.0	1.4	19.8	78.8	-0.05	
MW12D	3/8/2018 10:24	0.0	2.5	16.0	81.5	-0.03	
MW12D	3/15/2018 10:36	0.0	5.9	11.3	82.8	0.00	
MW12D	4/10/2018 11:04	0.0	5.5	13.7	80.8	-0.09	
MW12D	4/27/2018 11:24	0.0	3.0	18.9	78.1	-0.09	
MW12D	5/18/2018 10:14	0.0	2.2	19.6	78.2	-0.04	
MW12D	5/30/2018 10:12	0.0	1.2	20.2	78.6	-0.46	
MW12D	6/12/2018 10:47	0.0	0.9	20.1	79.0	-0.03	
MW12D	6/26/2018 10:40	0.0	1.2	19.9	78.9	-0.03	
MW12D	7/10/2018 11:10	0.0	1.2	20.0	78.8	-0.02	
MW12D	7/27/2018 8:29	0.0	2.6	18.4	79.0	-0.20	
MW12D	8/14/2018 8:24	0.0	1.6	19.6	78.8	-0.05	
MW12D	8/28/2018 10:10	0.0	1.0	19.9	79.1	-0.36	
MW12D	9/4/2018 13:11	0.0	1.6	20.0	78.4	-0.24	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW12D	9/24/2018 11:17	0.0	0.1	20.9	79.0	-0.28	
MW12D	10/11/2018 11:38	0.0	1.8	19.8	78.4	-0.20	
MW12D	10/29/2018 11:04	0.0	0.9	20.7	78.4	-0.08	
MW12D	11/8/2018 13:11	0.0	1.5	19.9	78.6	-0.14	
MW12D	11/14/2018 13:13	0.0	1.3	20.1	78.6	-0.04	
MW12D	12/7/2018 10:41	0.0	2.3	18.9	78.8	-0.12	
MW12D	12/18/2018 10:26	0.0	0.8	20.5	78.7	-0.16	
MW12M	1/9/2018 10:33	0.0	9.1	8.0	82.9	-0.04	
MW12M	1/26/2018 9:06	0.0	10.4	5.9	83.7	-0.08	
MW12M	2/8/2018 9:51	0.0	8.2	6.8	85.0	0.01	
MW12M	2/22/2018 10:13	0.0	10.9	2.7	86.4	-0.01	
MW12M	3/8/2018 10:27	0.0	11.0	4.1	84.9	-0.01	
MW12M	3/15/2018 10:38	0.0	12.3	2.6	85.1	0.02	
MW12M	4/10/2018 11:06	0.0	10.4	8.1	81.5	-0.03	
MW12M	4/27/2018 11:26	0.0	10.4	10.0	79.6	-0.03	
MW12M	5/18/2018 10:15	0.0	8.4	12.6	79.0	-0.05	
MW12M	5/30/2018 10:14	0.0	6.5	14.5	79.0	-0.06	
MW12M	6/12/2018 10:50	0.0	5.1	16.0	78.9	-0.02	
MW12M	6/26/2018 10:42	0.0	5.8	15.9	78.3	-0.01	
MW12M	7/10/2018 11:12	0.0	5.6	16.3	78.1	-0.10	
MW12M	7/27/2018 8:31	0.0	4.6	16.9	78.5	-0.14	
MW12M	8/14/2018 8:26	0.0	4.0	17.6	78.4	-0.05	
MW12M	8/28/2018 10:12	0.0	3.4	17.7	78.9	-0.05	
MW12M	9/4/2018 13:13	0.0	3.7	17.9	78.4	-0.18	
MW12M	9/24/2018 11:18	0.0	3.3	18.1	78.6	-0.36	
MW12M	10/11/2018 11:39	0.0	0.7	20.7	78.6	-0.21	
MW12M	10/29/2018 11:05	0.0	0.3	21.1	78.6	-0.04	
MW12M	11/8/2018 13:12	0.0	1.7	19.1	79.2	-0.19	
MW12M	11/14/2018 13:14	0.0	0.5	20.8	78.7	-0.15	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW12M	12/7/2018 10:42	0.0	0.4	20.4	79.2	-0.17	
MW12M	12/18/2018 10:27	0.0	3.4	18.1	78.5	-0.16	
MW12S	1/9/2018 10:35	0.0	7.4	8.0	84.6	-0.04	
MW12S	1/26/2018 9:08	0.0	5.1	13.3	81.6	-0.04	
MW12S	2/8/2018 9:53	0.0	5.2	10.8	84.0	0.04	
MW12S	2/22/2018 10:15	0.0	6.5	9.8	83.7	0.05	
MW12S	3/8/2018 10:29	0.0	7.9	6.9	85.2	0.08	
MW12S	3/15/2018 10:40	0.0	5.9	12.7	81.4	-0.48	
MW12S	4/10/2018 11:08	0.0	4.7	14.2	81.1	0.04	
MW12S	4/27/2018 11:28	0.0	5.5	14.2	80.3	-0.01	
MW12S	5/18/2018 10:17	0.0	3.3	18.4	78.3	-0.01	
MW12S	5/30/2018 10:16	0.0	3.6	18.0	78.4	0.00	
MW12S	6/12/2018 10:51	0.0	2.6	18.7	78.7	-0.03	
MW12S	6/26/2018 10:45	0.0	1.7	19.9	78.4	0.00	
MW12S	7/10/2018 11:13	0.0	1.7	19.7	78.6	-0.04	
MW12S	7/27/2018 8:33	0.0	1.5	19.6	78.9	-0.07	
MW12S	8/14/2018 8:28	0.0	1.6	19.2	79.2	0.04	
MW12S	8/28/2018 10:14	0.0	1.6	19.2	79.2	-0.04	
MW12S	9/4/2018 13:14	0.0	1.6	19.9	78.5	-0.14	
MW12S	9/24/2018 11:19	0.0	1.1	19.9	79.0	-0.34	
MW12S	10/11/2018 11:41	0.0	1.3	19.2	79.5	-0.15	
MW12S	10/29/2018 11:06	0.0	0.2	21.1	78.7	0.06	
MW12S	11/8/2018 13:16	0.0	2.2	18.5	79.3	-0.73	
MW12S	11/14/2018 13:15	0.0	0.3	20.9	78.8	-0.01	
MW12S	12/7/2018 10:46	0.0	3.4	17.1	79.5	-0.15	
MW12S	12/18/2018 10:28	0.0	2.5	18.9	78.6	-0.03	
MW13D	1/9/2018 10:42	0.0	3.1	16.3	80.6	-0.03	
MW13D	1/26/2018 9:14	0.0	3.6	15.8	80.6	-0.61	
MW13D	2/8/2018 9:59	0.0	3.3	16.2	80.5	0.02	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW13D	2/22/2018 10:21	0.0	2.7	16.0	81.3	0.03	
MW13D	3/8/2018 10:46	0.0	3.7	12.8	83.5	-0.18	
MW13D	3/15/2018 10:48	0.0	3.4	14.6	82.0	-0.10	
MW13D	4/10/2018 11:12	0.0	3.2	14.4	82.4	-0.13	
MW13D	4/27/2018 11:32	0.0	0.1	20.8	79.1	-0.05	
MW13D	5/18/2018 10:39	0.0	0.1	20.7	79.2	-0.43	
MW13D	5/30/2018 10:25	0.0	2.5	18.2	79.3	0.08	
MW13D	6/12/2018 11:05	0.0	3.4	16.6	80.0	-0.03	
MW13D	6/26/2018 10:49	0.0	0.1	21.0	78.9	-0.55	
MW13D	7/10/2018 11:17	0.0	0.1	21.2	78.7	-0.73	
MW13D	7/27/2018 8:38	0.0	0.1	21.0	78.9	-0.03	
MW13D	8/14/2018 8:33	0.0	1.8	19.1	79.1	-0.38	
MW13D	8/28/2018 10:20	0.0	0.2	20.8	79.0	-0.27	
MW13D	9/5/2018 10:35	0.0	0.1	20.8	79.1	-0.31	
MW13D	9/24/2018 11:31	0.0	0.2	20.7	79.1	-0.84	
MW13D	10/11/2018 11:49	0.0	0.5	20.8	78.7	-0.73	
MW13D	10/29/2018 11:15	0.0	0.3	20.9	78.8	-1.02	
MW13D	11/14/2018 12:11	0.0	0.2	20.1	79.7	-0.02	
MW13D	12/7/2018 10:52	0.0	0.5	20.3	79.2	-0.18	
MW13D	12/18/2018 10:33	0.0	1.0	20.4	78.6	-1.47	
MW13M	1/9/2018 10:43	0.0	4.0	16.3	79.7	-0.06	
MW13M	1/26/2018 9:16	0.0	4.3	16.5	79.2	-0.85	
MW13M	2/8/2018 10:01	0.0	2.0	19.6	78.4	0.00	
MW13M	2/22/2018 10:23	0.0	3.9	15.8	80.3	-0.66	
MW13M	3/8/2018 10:48	0.0	4.6	14.1	81.3	0.03	
MW13M	3/15/2018 10:49	0.0	3.9	15.7	80.4	0.19	
MW13M	4/10/2018 11:14	0.0	3.8	15.6	80.6	-0.79	
MW13M	4/27/2018 11:34	0.0	2.0	18.8	79.2	-0.29	
MW13M	5/18/2018 10:41	0.0	2.2	18.3	79.5	-0.10	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW13M	5/30/2018 10:29	0.0	3.7	16.9	79.4	0.01	
MW13M	6/12/2018 11:08	0.0	3.3	16.9	79.8	-0.03	
MW13M	6/26/2018 10:52	0.0	3.5	17.3	79.2	-0.36	
MW13M	7/10/2018 11:19	0.0	1.5	19.8	78.7	-0.69	
MW13M	7/27/2018 8:45	0.0	5.0	13.3	81.7	-0.04	
MW13M	8/14/2018 8:35	0.0	2.9	18.2	78.9	-0.04	
MW13M	8/28/2018 10:22	0.0	1.3	19.7	79.0	-0.19	
MW13M	9/4/2018 13:22	0.0	2.6	19.2	78.2	-0.01	
MW13M	9/24/2018 11:32	0.0	0.1	20.8	79.1	-0.72	
MW13M	10/11/2018 11:50	0.0	0.2	20.9	78.9	-0.53	
MW13M	10/29/2018 11:16	0.0	0.1	21.1	78.8	-0.80	
MW13M	10/29/2018 11:18	0.0	0.1	21.1	78.8	-0.69	
MW13M	11/14/2018 12:12	0.0	0.1	20.5	79.4	-0.64	
MW13M	12/7/2018 10:53	0.0	0.8	19.7	79.5	-0.36	
MW13M	12/18/2018 10:35	0.0	2.2	19.9	77.9	-1.18	
MW13S	1/9/2018 10:45	0.0	6.0	11.4	82.6	-0.05	
MW13S	1/26/2018 9:18	0.0	6.6	11.3	82.1	-0.03	
MW13S	2/8/2018 10:02	0.0	2.9	18.0	79.1	0.08	
MW13S	2/22/2018 10:25	0.0	2.5	17.8	79.7	-0.01	
MW13S	3/8/2018 10:50	0.0	5.4	10.3	84.3	-0.01	
MW13S	3/15/2018 10:52	0.0	5.3	11.2	83.5	0.03	
MW13S	4/10/2018 11:15	0.0	4.7	11.3	84.0	-0.01	
MW13S	4/27/2018 11:36	0.0	5.5	11.4	83.1	-0.02	
MW13S	5/18/2018 10:43	0.0	5.5	11.3	83.2	-0.02	
MW13S	5/30/2018 10:31	0.0	5.4	11.5	83.1	0.01	
MW13S	6/12/2018 11:10	0.0	5.0	12.6	82.4	0.00	
MW13S	6/26/2018 10:54	0.0	4.8	13.6	81.6	0.02	
MW13S	7/10/2018 11:20	0.0	4.8	13.7	81.5	-0.01	
MW13S	7/27/2018 8:47	0.0	2.5	18.3	79.2	-0.61	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW13S	8/14/2018 8:37	0.0	5.1	13.8	81.1	0.02	
MW13S	8/28/2018 10:24	0.0	5.0	13.7	81.3	-0.03	
MW13S	9/4/2018 13:24	0.0	5.1	14.0	80.9	-0.25	
MW13S	9/24/2018 11:37	0.0	3.4	17.5	79.1	-0.27	
MW13S	9/24/2018 11:39	0.0	0.1	20.9	79.0	-0.71	
MW13S	10/11/2018 11:53	0.0	2.5	17.8	79.7	-0.18	
MW13S	10/29/2018 11:21	0.0	0.1	21.0	78.9	0.05	
MW13S	11/14/2018 12:13	0.0	3.8	14.1	82.1	-0.02	
MW13S	12/7/2018 10:55	0.0	6.2	13.3	80.5	-0.21	
MW13S	12/18/2018 10:36	0.0	5.8	14.3	79.9	-0.59	
MW14D	1/9/2018 10:48	0.0	3.8	13.8	82.4	-0.03	
MW14D	1/26/2018 9:21	0.0	1.0	19.7	79.3	-0.82	
MW14D	2/8/2018 10:05	0.0	0.7	20.5	78.8	0.01	
MW14D	2/22/2018 10:27	0.0	0.2	20.5	79.3	0.03	
MW14D	3/8/2018 10:53	0.0	1.6	16.6	81.8	0.04	
MW14D	3/15/2018 10:55	0.0	3.5	13.3	83.2	-0.01	
MW14D	4/10/2018 11:19	0.0	2.5	16.2	81.3	-0.93	
MW14D	4/27/2018 11:38	0.0	0.6	19.9	79.5	-0.01	
MW14D	5/18/2018 10:45	0.0	0.2	20.5	79.3	-0.61	
MW14D	5/30/2018 10:34	0.0	0.2	20.7	79.1	-0.02	
MW14D	6/12/2018 11:13	0.0	0.4	20.6	79.0	-0.01	
MW14D	6/26/2018 10:56	0.0	0.1	20.9	79.0	-0.59	
MW14D	7/10/2018 11:23	0.0	0.1	21.2	78.7	-0.95	
MW14D	7/27/2018 8:51	0.0	0.3	20.6	79.1	-0.67	
MW14D	8/14/2018 8:40	0.0	0.2	20.7	79.1	-0.51	
MW14D	8/28/2018 10:26	0.0	0.2	20.8	79.0	-0.37	
MW14D	9/4/2018 13:29	0.0	3.3	16.2	80.5	-0.28	
MW14D	9/24/2018 11:41	0.0	0.2	20.8	79.0	-0.93	
MW14D	10/11/2018 11:55	0.0	0.2	21.0	78.8	-0.71	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW14D	10/29/2018 11:26	0.0	0.1	20.9	79.0	NR	
MW14D	11/14/2018 12:16	0.0	0.9	20.3	78.8	-0.87	
MW14D	12/7/2018 10:57	0.0	1.6	18.3	80.1	-0.41	
MW14D	12/18/2018 10:40	0.0	0.1	20.9	79.0	-1.34	
MW14M	1/9/2018 10:50	0.0	0.2	20.6	79.2	-0.04	
MW14M	1/26/2018 9:22	0.0	1.7	18.6	79.7	-0.66	
MW14M	2/8/2018 10:07	0.0	1.7	18.1	80.2	-0.04	
MW14M	2/22/2018 10:30	0.0	0.1	20.6	79.3	-0.03	
MW14M	3/8/2018 10:55	0.0	3.7	13.5	82.8	0.34	
MW14M	3/15/2018 10:57	0.0	3.3	14.7	82.0	-0.07	
MW14M	4/10/2018 11:21	0.0	3.3	14.4	82.3	-0.72	
MW14M	4/27/2018 11:39	0.0	2.1	17.5	80.4	-0.05	
MW14M	5/18/2018 10:47	0.0	2.3	16.9	80.8	-0.54	
MW14M	5/30/2018 10:36	0.0	2.1	17.5	80.4	-0.03	
MW14M	6/12/2018 11:16	0.0	0.4	20.1	79.5	-0.04	
MW14M	6/26/2018 10:58	0.0	1.4	18.5	80.1	-0.06	
MW14M	7/10/2018 11:24	0.0	1.6	18.5	79.9	-0.85	
MW14M	7/27/2018 8:53	0.0	1.6	18.0	80.4	-0.59	
MW14M	8/14/2018 8:42	0.0	1.7	18.0	80.3	-0.02	
MW14M	8/28/2018 10:28	0.0	1.8	17.8	80.4	-0.15	
MW14M	9/4/2018 13:31	0.0	2.8	17.1	80.1	-0.21	
MW14M	9/24/2018 11:42	0.0	2.8	16.3	80.9	-0.83	
MW14M	10/11/2018 11:57	0.0	0.1	21.0	78.9	-0.59	
MW14M	10/29/2018 11:27	0.0	0.1	20.9	79.0	-0.91	
MW14M	11/14/2018 12:17	0.0	0.9	18.7	80.4	-0.78	
MW14M	12/7/2018 10:59	0.0	3.8	15.0	81.2	-0.45	
MW14M	12/18/2018 10:42	0.0	3.9	15.0	81.1	-1.27	
MW14S	1/9/2018 10:52	0.0	1.1	18.7	80.2	-0.03	
MW14S	1/26/2018 9:24	0.0	1.3	19.5	79.2	0.01	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW14S	2/8/2018 10:12	0.0	0.4	20.7	78.9	-0.03	
MW14S	2/22/2018 10:32	0.0	0.5	20.2	79.3	-0.05	
MW14S	3/8/2018 10:57	0.0	0.9	18.8	80.3	-0.01	
MW14S	3/15/2018 10:58	0.0	0.6	20.6	78.8	-0.08	
MW14S	4/10/2018 11:22	0.0	3.3	13.2	83.5	5.83	
MW14S	4/27/2018 11:41	0.0	2.5	16.5	81.0	-0.05	
MW14S	5/18/2018 10:48	0.0	3.6	14.3	82.1	-0.02	
MW14S	5/30/2018 10:38	0.0	3.8	14.8	81.4	0.01	
MW14S	6/12/2018 11:18	0.0	3.4	16.2	80.4	-0.03	
MW14S	6/26/2018 11:00	0.0	3.6	16.8	79.6	0.04	
MW14S	7/10/2018 11:26	0.0	3.8	17.6	78.6	0.04	
MW14S	7/27/2018 8:55	0.0	3.7	17.8	78.5	-0.04	
MW14S	8/14/2018 8:44	0.0	3.7	18.2	78.1	0.03	
MW14S	8/28/2018 10:31	0.0	2.7	19.0	78.3	-0.01	
MW14S	9/4/2018 13:33	0.0	2.7	19.7	77.6	-0.21	
MW14S	9/24/2018 11:43	0.0	3.0	18.3	78.7	-0.28	
MW14S	10/11/2018 11:58	0.0	2.9	18.1	79.0	-0.12	
MW14S	10/29/2018 11:28	0.0	2.3	18.1	79.6	0.07	
MW14S	11/14/2018 12:19	0.0	3.4	16.7	79.9	-0.08	
MW14S	12/7/2018 11:01	0.0	3.7	15.9	80.4	-0.14	
MW14S	12/18/2018 10:43	0.0	3.6	15.8	80.6	0.01	
MW15D	1/9/2018 10:55	0.0	4.4	10.8	84.8	-0.03	
MW15D	1/26/2018 9:27	0.0	0.1	20.8	79.1	-0.04	
MW15D	2/8/2018 10:15	0.0	1.4	16.9	81.7	-0.07	
MW15D	2/22/2018 10:35	0.0	0.1	20.8	79.1	-0.03	
MW15D	3/8/2018 11:00	0.0	6.1	7.3	86.6	0.40	
MW15D	3/15/2018 11:02	0.0	5.3	7.9	86.8	-0.09	
MW15D	4/10/2018 11:25	0.0	3.0	12.9	84.1	-0.94	
MW15D	4/27/2018 11:44	0.0	1.8	16.9	81.3	-0.52	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW15D	5/18/2018 10:51	0.0	2.4	15.6	82.0	-0.48	
MW15D	5/30/2018 10:40	0.0	1.5	18.0	80.5	-0.06	
MW15D	6/12/2018 11:21	0.0	1.3	17.6	81.1	-0.21	
MW15D	6/26/2018 11:02	0.0	1.2	18.2	80.6	-0.24	
MW15D	7/10/2018 11:28	0.0	1.3	18.1	80.6	-0.99	
MW15D	7/27/2018 8:58	0.0	1.5	17.2	81.3	-0.71	
MW15D	8/14/2018 8:46	0.0	1.9	16.4	81.7	-0.70	
MW15D	8/28/2018 10:35	0.0	1.3	17.8	80.9	-0.47	
MW15D	9/4/2018 13:36	0.0	2.5	15.4	82.1	-0.24	
MW15D	9/24/2018 11:45	0.0	1.2	19.9	78.9	-0.96	
MW15D	9/24/2018 11:46	0.0	0.1	21.1	78.8	-0.25	
MW15D	9/24/2018 11:50	0.0	0.1	21.0	78.9	-0.95	
MW15D	10/11/2018 12:01	0.0	0.8	20.9	78.3	-0.85	
MW15D	10/29/2018 11:30	0.0	0.5	20.8	78.7	-1.16	
MW15D	11/14/2018 12:20	0.0	0.6	20.7	78.7	-0.92	
MW15D	12/7/2018 11:04	0.0	2.8	12.9	84.3	-0.28	
MW15D	12/18/2018 10:46	0.0	0.2	20.8	79.0	-1.23	
MW15M	1/9/2018 10:56	0.1	2.2	0.0	97.7	0.07	
MW15M	1/26/2018 9:29	0.1	2.3	0.2	97.4	0.24	
MW15M	2/8/2018 10:18	0.1	2.2	0.0	97.7	0.02	
MW15M	2/22/2018 10:37	0.2	2.0	0.1	97.7	0.10	
MW15M	3/8/2018 11:02	0.2	2.4	0.0	97.4	0.40	
MW15M	3/15/2018 11:04	0.2	2.1	0.0	97.7	-0.06	
MW15M	4/10/2018 11:26	0.0	0.2	20.0	79.8	-0.02	
MW15M	4/27/2018 11:46	0.0	2.2	0.0	97.8	-0.01	
MW15M	5/18/2018 10:53	0.2	2.1	0.0	97.7	-0.92	
MW15M	5/30/2018 10:42	0.0	1.9	6.4	91.7	-0.02	
MW15M	6/12/2018 11:23	0.0	1.6	4.7	93.7	-1.25	
MW15M	6/26/2018 11:06	0.0	0.0	21.0	79.0	-0.35	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW15M	7/10/2018 11:32	0.0	0.0	20.9	79.1	-0.07	
MW15M	7/27/2018 9:01	0.0	0.2	19.9	79.9	-0.05	
MW15M	8/14/2018 8:48	0.0	0.1	21.0	78.9	-0.03	
MW15M	8/28/2018 10:39	0.0	0.1	21.3	78.6	-0.66	
MW15M	9/5/2018 10:37	0.0	0.1	20.9	79.0	-0.77	
MW15M	9/24/2018 11:52	0.0	0.1	21.0	78.9	-0.29	
MW15M	10/11/2018 12:03	0.0	0.3	21.1	78.6	-0.35	
MW15M	10/29/2018 11:31	0.0	0.3	21.0	78.7	-0.25	
MW15M	11/14/2018 12:22	0.0	1.1	6.5	92.4	-0.08	
MW15M	12/7/2018 11:06	0.0	2.4	0.0	97.6	0.00	
MW15M	12/18/2018 10:47	0.0	2.2	0.2	97.6	-0.03	
MW15S	1/9/2018 10:58	0.0	3.3	7.3	89.4	-0.01	
MW15S	1/26/2018 9:31	0.0	2.4	17.6	80.0	0.01	
MW15S	2/8/2018 10:20	0.0	1.1	20.3	78.6	-0.02	
MW15S	2/22/2018 10:39	0.0	4.0	10.0	86.0	0.00	
MW15S	3/8/2018 11:04	0.0	3.9	8.9	87.2	-0.01	
MW15S	3/15/2018 11:05	0.0	3.4	9.2	87.4	-0.10	
MW15S	4/10/2018 11:28	0.0	3.5	8.4	88.1	-0.07	
MW15S	4/27/2018 11:49	0.0	4.4	7.5	88.1	-0.05	
MW15S	5/18/2018 10:56	0.0	4.9	8.2	86.9	0.00	
MW15S	5/30/2018 10:45	0.0	5.3	9.2	85.5	-0.01	
MW15S	6/12/2018 11:25	0.0	5.1	10.2	84.7	-0.04	
MW15S	6/26/2018 11:08	0.0	5.6	11.7	82.7	0.03	
MW15S	7/10/2018 11:34	0.0	5.6	12.9	81.5	0.01	
MW15S	7/27/2018 9:04	0.0	5.4	14.8	79.8	-0.02	
MW15S	8/14/2018 8:50	0.0	4.8	16.1	79.1	0.05	
MW15S	8/28/2018 10:41	0.0	4.1	17.0	78.9	-0.04	
MW15S	9/4/2018 13:47	0.0	3.6	18.1	78.3	-0.26	
MW15S	9/24/2018 11:53	0.0	3.3	16.7	80.0	-0.27	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW15S	10/11/2018 12:04	0.0	3.0	16.6	80.4	-0.15	
MW15S	10/29/2018 11:33	0.0	2.7	15.9	81.4	0.02	
MW15S	11/14/2018 12:23	0.0	2.5	15.1	82.4	-0.09	
MW15S	12/7/2018 11:07	0.0	3.9	11.7	84.4	-0.02	
MW15S	12/18/2018 10:48	0.0	4.0	8.4	87.6	-0.12	
MW16D	1/9/2018 11:01	0.0	2.6	16.5	80.9	-0.07	
MW16D	1/26/2018 9:36	0.0	0.1	20.8	79.1	-0.62	
MW16D	2/8/2018 10:24	0.0	0.1	21.0	78.9	-0.01	
MW16D	2/22/2018 10:42	0.0	0.2	21.0	78.8	0.01	
MW16D	3/8/2018 11:07	0.0	4.1	13.8	82.1	0.08	
MW16D	3/15/2018 11:07	0.0	3.5	15.1	81.4	-0.07	
MW16D	4/10/2018 11:30	0.0	3.4	14.0	82.6	-0.77	
MW16D	4/27/2018 11:52	0.0	1.0	19.4	79.6	-0.12	
MW16D	5/18/2018 10:59	0.0	1.2	18.6	80.2	-0.52	
MW16D	5/30/2018 10:48	0.0	0.5	20.2	79.3	-0.20	
MW16D	6/12/2018 11:27	0.0	0.5	19.7	79.8	-0.06	
MW16D	6/26/2018 11:10	0.0	2.4	15.8	81.8	-0.49	
MW16D	7/10/2018 11:36	0.0	0.7	19.7	79.6	-0.73	
MW16D	7/27/2018 9:06	0.0	0.6	19.5	79.9	-0.56	
MW16D	8/14/2018 8:53	0.0	0.9	19.0	80.1	-0.51	
MW16D	8/28/2018 10:48	0.0	0.0	20.9	79.1	-0.08	
MW16D	9/4/2018 13:52	0.0	1.6	18.3	80.1	-0.17	
MW16D	9/24/2018 11:55	0.0	0.1	21.0	78.9	-0.74	
MW16D	10/11/2018 12:07	0.0	0.6	21.0	78.4	-0.56	
MW16D	10/29/2018 11:35	0.0	0.7	20.6	78.7	-0.93	
MW16D	11/8/2018 13:45	0.0	0.2	20.7	79.1	-0.18	
MW16D	11/14/2018 13:18	0.0	0.2	20.9	78.9	-0.70	
MW16D	12/7/2018 11:17	0.0	2.0	17.4	80.6	-0.03	
MW16D	12/18/2018 11:23	0.0	0.1	20.5	79.4	-0.47	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW16M	1/9/2018 11:03	0.0	4.0	13.6	82.4	-0.01	
MW16M	1/26/2018 9:38	0.0	2.2	17.5	80.3	-0.04	
MW16M	2/8/2018 10:26	0.0	1.5	18.5	80.0	0.06	
MW16M	2/22/2018 10:44	0.0	1.6	18.7	79.7	-0.03	
MW16M	3/8/2018 11:09	0.0	4.9	11.6	83.5	0.54	
MW16M	3/15/2018 11:09	0.0	4.2	12.7	83.1	-0.50	
MW16M	4/10/2018 11:32	0.0	4.3	10.5	85.2	-1.04	
MW16M	4/27/2018 11:54	0.0	2.5	16.4	81.1	-0.29	
MW16M	5/18/2018 11:01	0.0	2.5	15.4	82.1	-0.36	
MW16M	5/30/2018 10:51	0.0	1.4	17.8	80.8	0.06	
MW16M	6/12/2018 11:30	0.0	3.8	9.9	86.3	0.16	
MW16M	6/26/2018 11:12	0.0	3.9	11.3	84.8	-0.04	
MW16M	7/10/2018 11:37	0.0	1.8	17.9	80.3	-0.97	
MW16M	7/27/2018 9:08	0.0	1.8	17.7	80.5	-0.43	
MW16M	8/14/2018 8:55	0.0	1.8	17.8	80.4	-1.30	
MW16M	8/28/2018 10:50	0.0	0.0	21.0	79.0	-0.05	
MW16M	9/4/2018 13:56	0.0	0.6	20.2	79.2	-0.08	
MW16M	9/24/2018 11:56	0.0	0.1	21.1	78.8	-0.62	
MW16M	10/11/2018 12:11	0.0	0.1	20.9	79.0	-0.39	
MW16M	10/29/2018 11:36	0.0	0.3	21.0	78.7	-0.85	
MW16M	11/8/2018 13:46	0.0	0.7	19.6	79.7	0.05	
MW16M	11/14/2018 13:19	0.0	0.2	20.9	78.9	-0.67	
MW16M	12/7/2018 11:18	0.0	1.7	18.4	79.9	-0.12	
MW16M	12/18/2018 11:25	0.0	2.4	17.4	80.2	-1.18	
MW16S	1/9/2018 11:06	0.0	3.5	15.6	80.9	-0.02	
MW16S	1/26/2018 9:40	0.0	5.4	12.5	82.1	-0.08	
MW16S	2/8/2018 10:28	0.0	6.0	9.9	84.1	0.07	
MW16S	2/22/2018 10:46	0.0	5.0	13.2	81.8	-0.03	
MW16S	3/8/2018 11:12	0.0	5.5	12.4	82.1	-0.02	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW16S	3/15/2018 11:11	0.0	4.2	16.4	79.4	-0.06	
MW16S	4/10/2018 11:35	0.0	3.5	16.1	80.4	-0.13	
MW16S	4/27/2018 11:57	0.0	3.5	17.1	79.4	-0.07	
MW16S	5/18/2018 11:03	0.0	0.8	20.2	79.0	-0.09	
MW16S	5/30/2018 10:53	0.0	2.9	18.5	78.6	0.03	
MW16S	6/12/2018 11:32	0.0	0.8	20.4	78.8	0.04	
MW16S	6/26/2018 11:17	0.0	0.0	20.9	79.1	0.03	
MW16S	7/10/2018 11:39	0.0	0.1	20.8	79.1	-0.08	
MW16S	7/27/2018 9:10	0.0	1.0	20.1	78.9	-0.08	
MW16S	8/14/2018 8:57	0.0	1.8	19.5	78.7	-0.03	
MW16S	8/28/2018 10:53	0.0	0.1	21.0	78.9	-0.05	
MW16S	9/4/2018 13:57	0.0	2.8	18.3	78.9	-0.18	
MW16S	9/24/2018 12:01	0.0	1.7	20.9	77.4	-0.32	
MW16S	10/11/2018 12:12	0.0	0.1	21.0	78.9	-0.18	
MW16S	10/29/2018 11:38	0.0	0.1	20.9	79.0	NR	
MW16S	11/8/2018 13:47	0.0	0.2	20.7	79.1	-0.24	
MW16S	11/14/2018 13:20	0.0	0.2	21.0	78.8	-0.23	
MW16S	12/7/2018 11:19	0.0	1.6	19.1	79.3	-0.03	
MW16S	12/18/2018 11:26	0.0	1.9	19.1	79.0	-0.50	
MW17D	1/9/2018 11:09	0.0	4.5	16.2	79.3	-0.05	
MW17D	1/26/2018 9:42	0.0	1.5	19.7	78.8	-0.46	
MW17D	2/8/2018 10:31	0.0	0.9	20.3	78.8	0.03	
MW17D	2/22/2018 10:50	0.0	0.8	20.3	78.9	-0.02	
MW17D	3/8/2018 11:15	0.0	4.2	14.8	81.0	0.07	
MW17D	3/15/2018 11:14	0.0	4.1	15.4	80.5	-0.10	
MW17D	4/10/2018 11:37	0.0	3.5	15.4	81.1	-0.68	
MW17D	4/27/2018 12:00	0.0	1.3	19.9	78.8	-0.68	
MW17D	5/18/2018 11:09	0.0	1.5	19.3	79.2	-0.40	
MW17D	5/30/2018 10:56	0.0	0.7	20.2	79.1	-0.01	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW17D	6/12/2018 11:34	0.0	0.6	20.2	79.2	0.05	
MW17D	6/26/2018 11:19	0.0	3.3	16.8	79.9	-0.12	
MW17D	7/10/2018 11:41	0.0	0.0	21.0	79.0	-0.23	
MW17D	7/27/2018 9:14	0.0	0.6	19.9	79.5	-0.40	
MW17D	8/14/2018 8:59	0.0	1.0	19.8	79.2	-0.28	
MW17D	8/28/2018 10:58	0.0	0.6	20.3	79.1	-0.13	
MW17D	9/4/2018 14:00	0.0	1.7	18.5	79.8	-0.06	
MW17D	9/24/2018 12:04	0.0	2.9	18.2	78.9	-0.67	
MW17D	10/11/2018 12:15	0.0	0.3	20.4	79.3	-0.46	
MW17D	10/29/2018 11:40	0.0	0.1	21.0	78.9	-0.69	
MW17D	11/8/2018 13:51	0.0	0.5	20.2	79.3	-0.67	
MW17D	11/14/2018 13:26	0.0	2.5	18.2	79.3	-0.55	
MW17D	12/7/2018 11:23	0.0	0.5	20.8	78.7	-0.01	
MW17D	12/18/2018 11:29	0.0	2.1	18.5	79.4	-0.85	
MW17M	1/9/2018 11:10	0.0	4.5	16.1	79.4	-0.02	
MW17M	1/26/2018 9:45	0.0	2.0	19.5	78.5	0.00	
MW17M	2/8/2018 10:32	0.0	3.0	16.4	80.6	0.00	
MW17M	2/22/2018 10:52	0.0	0.2	21.3	78.5	-0.04	
MW17M	3/8/2018 11:16	0.0	8.2	10.4	81.4	0.03	
MW17M	3/15/2018 11:16	0.0	5.4	13.8	80.8	-0.05	
MW17M	4/10/2018 11:39	0.0	3.2	16.6	80.2	-0.69	
MW17M	4/27/2018 12:02	0.0	2.1	18.5	79.4	-0.04	
MW17M	5/18/2018 11:11	0.0	0.4	20.4	79.2	-0.45	
MW17M	5/30/2018 10:58	0.0	0.3	20.6	79.1	0.04	
MW17M	6/12/2018 11:36	0.0	0.2	20.9	78.9	0.09	
MW17M	6/26/2018 11:22	0.0	0.1	21.0	78.9	0.02	
MW17M	7/10/2018 11:43	0.0	0.5	20.5	79.0	-0.53	
MW17M	7/27/2018 9:16	0.0	0.7	20.1	79.2	-0.06	
MW17M	8/14/2018 9:01	0.0	0.5	20.7	78.8	-0.28	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW17M	8/28/2018 11:00	0.0	0.4	20.6	79.0	-0.10	
MW17M	9/4/2018 14:01	0.0	3.3	17.8	78.9	-0.20	
MW17M	9/24/2018 12:11	0.0	0.0	20.9	79.1	-0.43	
MW17M	10/11/2018 12:16	0.0	0.2	21.0	78.8	-0.37	
MW17M	10/29/2018 11:43	0.0	0.1	20.9	79.0	NR	
MW17M	11/8/2018 13:52	0.0	0.7	20.1	79.2	-0.15	
MW17M	11/14/2018 13:27	0.0	0.5	20.8	78.7	-0.40	
MW17M	12/7/2018 11:25	0.0	0.4	20.8	78.8	-6.48	
MW17M	12/18/2018 11:30	0.0	1.6	19.8	78.6	-0.82	
MW17S	1/9/2018 11:12	0.0	5.5	14.8	79.7	-0.04	
MW17S	1/26/2018 9:47	0.0	9.7	10.3	80.0	-0.02	
MW17S	2/8/2018 10:34	0.0	10.0	10.3	79.7	0.01	
MW17S	2/22/2018 10:57	0.0	0.1	20.9	79.0	0.03	
MW17S	3/8/2018 11:18	0.0	9.4	9.3	81.3	0.01	
MW17S	3/15/2018 11:17	0.0	8.7	10.1	81.2	-0.03	
MW17S	4/10/2018 11:41	0.0	7.5	12.2	80.3	-0.02	
MW17S	4/27/2018 12:04	0.0	9.2	9.4	81.4	-0.08	
MW17S	5/18/2018 11:13	0.0	6.9	14.5	78.6	-0.06	
MW17S	5/30/2018 11:00	0.0	6.4	15.1	78.5	0.00	
MW17S	6/12/2018 11:40	0.0	4.9	16.4	78.7	0.01	
MW17S	7/10/2018 11:44	0.0	4.0	17.7	78.3	0.00	
MW17S	7/27/2018 9:18	0.0	4.1	17.5	78.4	-0.03	
MW17S	8/14/2018 9:03	0.0	3.5	18.2	78.3	-0.01	
MW17S	8/28/2018 11:01	0.0	2.9	18.6	78.5	-0.03	
MW17S	9/4/2018 14:03	0.0	2.6	18.7	78.7	-0.19	
MW17S	9/24/2018 12:15	0.0	0.9	20.3	78.8	-0.30	
MW17S	10/11/2018 12:18	0.0	0.1	21.1	78.8	-0.24	
MW17S	10/29/2018 11:45	0.0	0.1	20.9	79.0	-0.15	
MW17S	11/8/2018 13:53	0.0	2.2	18.8	79.0	-0.16	



Table 1. LFG Monitoring Well Test Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW17S	11/14/2018 13:28	0.0	0.3	20.9	78.8	-0.19	
MW17S	12/7/2018 11:27	0.0	0.3	20.9	78.8	-0.06	
MW17S	12/18/2018 11:31	0.0	4.0	17.2	78.8	-0.26	

NR=Not Recorded



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW06	1/9/2018 12:21	0.0	3.3	11.7	85.0	0.1	-11.21	54	
EW06	1/26/2018 10:53	0.0	2.9	11.6	85.5	0.1	-12.67	42	
EW06	2/8/2018 11:51	0.0	2.0	13.3	84.7	-0.7	-12.22	63	
EW06	2/22/2018 15:00	0.0	2.3	13.2	84.5	-2.3	-10.40	33	
EW06	3/8/2018 12:24	0.0	2.4	15.6	82.0	1.6	-10.02	47	Comments:No Change,,,,,,,,
EW06	3/15/2018 12:39	0.0	2.1	15.3	82.6	-0.7	-8.53	59	Comments:No Change,,,,,,,,
EW06	4/10/2018 13:09	0.0	2.4	15.4	82.2	-2.4	-12.27	79	Comments:No Change,,,,,,,,
EW06	4/27/2018 13:11	0.0	0.9	18.3	80.8	-1.3	-23.42	68	Comments:No Change,,,,,,,,
EW06	5/18/2018 12:37	0.0	0.6	19.3	80.1	-0.4	-20.31	65	Comments:No Change,,,,,,,,
EW06	5/30/2018 12:21	0.0	0.6	18.3	81.1	-0.2	-18.78	82	Comments:No Change,,,,,,,,
EW06	6/12/2018 12:59	0.0	0.1	19.4	80.5	-0.3	-18.06	91	Comments:No Change,,,,,,,,
EW06	6/26/2018 12:21	0.0	0.4	20.0	79.6	-0.2	-18.86	72	Comments:No Change,,,,,,,,
EW06	7/10/2018 12:50	0.0	0.0	19.7	80.3	0.2	-17.32	82	Comments:No Change,,,,,,,,
EW06	7/27/2018 11:02	0.0	0.1	19.6	80.3	-0.3	-15.74	89	Comments:No Change,,,,,,,,
EW06	8/14/2018 10:21	0.0	0.1	20.1	79.8	-0.1	-11.06	83	Comments:No Change,,,,,,,,
EW06	8/28/2018 12:26	0.0	0.2	19.7	80.1	-0.2	-14.29	88	Comments:No Change,,,,,,,,
EW06	9/5/2018 8:02	0.0	0.2	20.0	79.8	-0.5	-14.70	65	Comments:No Change,,,,,,,,
EW06	9/24/2018 12:55	0.0	0.4	19.9	79.7	-0.3	-14.08	71	Comments:No Change,,,,,,,,
EW06	10/11/2018 12:52	0.0	1.8	19.1	79.1	-0.2	-14.64	62	Comments:No Change,,,,,,,,
EW06	10/29/2018 12:14	0.0	1.1	19.9	79.0	-0.3	-13.58	58	Comments:No Change,,,,,,,,
EW06	11/8/2018 14:28	0.0	1.8	19.8	78.4	-0.3	-13.03	63	Comments:No Change,Valve slightly Open,,,,,,,,
EW06	11/14/2018 13:47	0.0	0.8	20.5	78.7	-0.3	-13.32	63	Comments:No Change,Valve Wide Open,,,,,,,,
EW06	12/7/2018 11:58	0.0	2.6	16.4	81.0	0.2	-15.71	46	Comments:No Change,Valve Closed,,,,,,,,
EW06	12/18/2018 12:30	0.0	2.6	15.9	81.5	0.0	-19.54	54	Comments:No Change,Valve Closed,,,,,,,,
EW07	1/9/2018 12:24	0.0	4.7	11.7	83.6	0.6	-11.39	54	
EW07	1/26/2018 10:50	0.0	4.7	8.1	87.2	-0.3	-0.35	42	
EW07	2/8/2018 11:47	0.0	4.3	8.7	87.0	0.0	-11.36	63	
EW07	2/22/2018 14:54	0.0	3.4	10.9	85.7	-1.5	-10.71	49	Comments:No Change,Valve slightly Open,,,,,,,,



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW07	3/8/2018 12:22	0.0	4.2	10.8	85.0	-0.8	-10.03	47	Comments:No Change,Valve slightly Open,,,,,
EW07	3/15/2018 12:42	0.0	3.8	10.8	85.4	-0.4	-8.55	66	Comments:No Change,,,,,
EW07	4/10/2018 13:06	0.0	3.9	12.5	83.6	-0.7	-12.21	78	Comments:No Change,,,,,
EW07	4/27/2018 13:09	0.0	1.2	18.3	80.5	-0.6	-23.70	69	Comments:No Change,,,,,
EW07	5/18/2018 12:39	0.0	0.0	20.9	79.1	-0.6	-20.82	66	Comments:No Change,,,,,
EW07	5/30/2018 12:19	0.0	0.8	18.6	80.6	-0.1	-19.19	83	Comments:No Change,,,,,
EW07	6/12/2018 12:51	0.0	1.9	17.7	80.4	-0.4	-18.45	89	Comments:No Change,,,,,
EW07	6/26/2018 12:24	0.0	1.6	18.6	79.8	-0.5	-19.04	72	Comments:No Change,,,,,
EW07	7/10/2018 12:48	0.0	0.0	19.7	80.3	-0.1	-16.58	88	Comments:No Change,,,,,
EW07	7/27/2018 11:05	0.0	0.1	19.6	80.3	-0.2	-16.35	89	Comments:No Change,,,,,
EW07	8/14/2018 10:23	0.0	0.7	19.3	80.0	-0.1	-11.71	80	Comments:No Change,,,,,
EW07	8/28/2018 12:28	0.0	0.4	19.4	80.2	-0.1	-14.31	90	Comments:No Change,,,,,
EW07	9/5/2018 8:07	0.0	0.6	19.4	80.0	-0.7	-14.48	65	Comments:No Change,,,,,
EW07	9/24/2018 13:08	0.0	0.1	20.1	79.8	-0.8	-13.07	83	Comments:No Change,,,,,
EW07	10/11/2018 12:57	0.0	2.3	17.3	80.4	-0.5	-14.69	61	Comments:No Change,,,,,
EW07	10/29/2018 12:18	0.0	3.2	16.3	80.5	-1.1	-13.31	59	Comments:No Change,,,,,
EW07	11/8/2018 14:32	0.0	3.5	17.1	79.4	-0.5	-13.23	64	Comments:No Change,,,,,
EW07	11/14/2018 13:53	0.0	3.0	17.3	79.7	-0.7	-13.72	63	Comments:No Change,Valve Closed,,,,,
EW07	12/7/2018 12:00	0.0	4.5	14.8	80.7	-1.0	-16.35	47	Comments:No Change,Valve Closed,,,,,
EW07	12/18/2018 12:28	0.0	4.1	15.9	80.0	-1.0	-21.79	54	Comments:No Change,,,,,
EW08	1/9/2018 12:26	0.0	1.5	14.3	84.2	1.2	-11.40	54	
EW08	1/26/2018 10:46	0.0	2.2	14.3	83.5	4.5	-12.62	41	
EW08	2/8/2018 11:44	0.0	2.5	14.7	82.8	1.2	-12.23	63	
EW08	2/22/2018 14:51	0.0	1.4	14.9	83.7	-2.2	-10.15	51	Comments:No Change,Valve slightly Open,,,,,
EW08	3/8/2018 12:20	0.0	1.7	14.7	83.6	1.7	-10.01	47	Comments:No Change,Valve slightly Open,,,,,
EW08	3/15/2018 12:44	0.0	1.4	13.9	84.7	-0.2	-8.55	70	Comments:No Change,,,,,
EW08	4/10/2018 13:04	0.0	1.6	13.3	85.1	0.5	-12.39	76	Comments:No Change,,,,,
EW08	4/27/2018 13:07	0.0	0.9	17.1	82.0	-0.6	-18.67	69	Comments:No Change,,,,,



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW08	5/18/2018 12:42	0.0	0.0	20.9	79.1	0.0	-21.04	67	Comments:No Change,,,,,,,,
EW08	5/30/2018 12:15	0.0	0.6	17.5	81.9	-0.2	-19.38	92	Comments:No Change,,,,,,,,
EW08	6/12/2018 12:49	0.0	1.5	15.1	83.4	-0.4	-18.72	89	Comments:No Change,,,,,,,,
EW08	6/26/2018 12:27	0.0	1.2	17.7	81.1	-0.2	-19.27	74	Comments:No Change,,,,,,,,
EW08	7/10/2018 12:46	0.0	0.5	18.7	80.8	0.1	-17.80	94	Comments:No Change,,,,,,,,
EW08	7/27/2018 11:07	0.0	0.5	18.7	80.8	-0.2	-15.54	90	Comments:No Change,,,,,,,,
EW08	8/14/2018 10:25	0.0	0.5	19.4	80.1	-0.1	-12.43	74	Comments:No Change,,,,,,,,
EW08	8/28/2018 12:31	0.0	0.6	19.0	80.4	-0.1	-14.62	89	Comments:No Change,,,,,,,,
EW08	9/5/2018 08:12	0.0	0.8	19.2	80.0	-0.4	-14.97	67	Comments:No Change,,,,,,,,
EW08	9/24/2018 13:12	0.0	1.2	18.6	80.2	-0.4	-14.45	75	Comments:No Change,Valve Closed,,,,,,,,
EW08	10/11/2018 12:59	0.0	1.4	18.8	79.8	-0.3	-14.81	71	Comments:No Change,,,,,,,,
EW08	10/29/2018 12:20	0.0	1.5	19.2	79.3	-0.4	-13.31	58	Comments:No Change,,,,,,,,
EW08	11/8/2018 14:35	0.0	1.0	20.5	78.5	-0.5	-13.43	66	Comments:No Change,,,,,,,,
EW08	11/14/2018 13:58	0.0	1.1	19.8	79.1	-0.3	-14.02	63	Comments:No Change,Valve Closed,,,,,,,,
EW08	12/7/2018 12:03	0.0	1.3	18.5	80.2	-0.3	-16.26	49	Comments:No Change,Valve Closed,,,,,,,,
EW08	12/18/2018 12:26	0.0	1.2	18.2	80.6	-0.7	-22.86	54	Comments:No Change,Valve Closed,,,,,,,,
EW09	1/9/2018 12:30	11.4	16.9	2.4	69.3	-0.3	-11.08	54	
EW09	1/26/2018 10:43	13.5	17.0	2.0	67.5	-2.7	-8.28	43	
EW09	2/8/2018 11:41	10.0	13.5	5.3	71.2	-2.0	-1.91	63	
EW09	2/22/2018 14:48	10.9	13.2	5.1	70.8	-1.3	-10.39	45	Comments:No Change,Valve slightly Open,,,,,,,,
EW09	3/8/2018 12:17	13.0	13.7	4.5	68.8	-1.3	-10.35	48	Comments:No Change,Valve slightly Open,,,,,,,,
EW09	3/15/2018 12:46	12.1	12.4	4.5	71.0	-1.2	-8.53	72	Comments:No Change,Valve slightly Open,,,,,,,,
EW09	4/10/2018 13:01	12.4	13.5	4.0	70.1	-1.5	-12.36	75	Comments:No Change,Valve slightly Open,,,,,,,,
EW09	4/27/2018 13:00	7.6	12.3	6.5	73.6	-2.6	-21.11	69	Comments:No Change,,,,,,,,
EW09	5/18/2018 12:18	5.3	12.2	6.4	76.1	-1.7	-22.71	74	Comments:No Change,,,,,,,,
EW09	5/30/2018 12:08	4.9	12.2	5.9	77.0	-1.3	-19.25	85	
EW09	6/12/2018 12:47	4.4	11.9	6.0	77.7	-1.2	-18.61	89	Comments:No Change,,,,,,,,



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW09	6/26/2018 12:29	3.7	12.4	6.4	77.5	-1.2	-19.17	73	Comments:No Change,,,,,,,,
EW09	7/10/2018 12:43	2.8	12.3	6.1	78.8	-0.8	-17.72	102	Comments:No Change,,,,,,,,
EW09	7/27/2018 11:10	2.5	12.9	5.6	79.0	-1.2	-16.18	92	Comments:No Change,,,,,,,,
EW09	8/14/2018 10:27	2.2	14.1	4.8	78.9	-0.8	-12.01	78	Comments:No Change,,,,,,,,
EW09	8/28/2018 12:33	1.1	14.4	4.7	79.8	-1.0	-14.51	89	Comments:No Change,,,,,,,,
EW09	9/5/2018 08:14	1.1	16.6	3.9	78.4	-1.2	-14.87	69	Comments:No Change,,,,,,,,
EW09	9/24/2018 13:14	0.8	15.4	4.3	79.5	-1.2	-14.35	76	Comments:No Change,Valve Closed,,,,,
EW09	10/11/2018 13:04	0.7	16.0	3.6	79.7	-0.9	-14.70	73	Comments:No Change,,,,,,,,
EW09	10/29/2018 12:24	0.7	15.0	4.7	79.6	-1.1	-13.79	59	Comments:No Change,Valve Closed,,,,,
EW09	11/8/2018 14:39	0.7	15.9	4.4	79.0	-1.0	-13.44	67	Comments:No Change,,,,,,,,
EW09	11/14/2018 14:01	0.7	15.9	3.9	79.5	-0.9	-13.90	64	Comments:No Change,Valve slightly Open,,,,,
EW09	12/7/2018 12:06	1.1	16.0	4.1	78.8	-1.1	-16.22	52	Comments:No Change,Valve slightly Open,,,,,
EW09	12/18/2018 12:24	0.8	15.4	5.1	78.7	-1.6	-21.27	56	Comments:No Change,,,,,,,,
EW10	1/9/2018 11:35	59.0	5.2	9.7	26.1	-0.6	-0.61	55	
EW10	1/26/2018 10:30	44.3	4.8	3.0	47.9	-1.6	-1.58	40	
EW10	2/8/2018 11:32	72.1	5.7	0.2	22.0	-0.1	-0.02	62	
EW10	2/22/2018 14:45	25.7	4.9	12.4	57.0	-9.1	-8.55	60	Comments:No Change,,,,,,,,
EW10	3/8/2018 12:00	45.4	12.3	4.6	37.7	-8.8	-9.34	46	Comments:No Change,,,,,,,,
EW10	3/8/2018 12:09	0.1	0.3	21.2	78.4	-10.3	-10.76	49	Comments:No Change,,,,,,,,
EW10	3/15/2018 12:07	42.4	11.7	2.5	43.4	-6.7	-6.78	61	Comments:Increased Flow,,,,,,,,
EW10	4/10/2018 12:54	34.0	5.5	0.7	59.8	-0.6	-0.01	71	Comments:No Change,,,,,,,,
EW10	4/27/2018 12:51	8.5	2.3	16.1	73.1	-19.2	-17.08	68	Comments:No Change,,,,,,,,
EW10	5/18/2018 12:06	11.8	12.7	0.2	75.3	-14.8	-15.57	73	Comments:No Change,,,,,,,,
EW10	5/30/2018 11:58	12.9	14.6	0.1	72.4	-12.6	-12.46	90	Comments:No Change,,,,,,,,
EW10	6/12/2018 12:40	11.5	15.6	0.0	72.9	-12.2	-11.83	88	Comments:No Change,,,,,,,,
EW10	6/26/2018 12:02	9.4	17.1	0.0	73.5	-12.4	-11.93	74	Comments:No Change,,,,,,,,
EW10	7/10/2018 12:22	7.8	17.2	0.0	75.0	-11.0	-11.50	86	Comments:No Change,,,,,,,,
EW10	7/27/2018 10:38	8.3	18.1	0.3	73.3	-10.5	-10.81	84	Comments:No Change,,,,,,,,



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW10	8/14/2018 09:39	7.1	19.0	0.2	73.7	-10.8	-11.07	80	Comments:No Change,,,,,,,,
EW10	8/28/2018 11:41	6.9	19.1	0.2	73.8	-7.6	-7.90	88	Comments:No Change,,,,,,,,
EW10	9/5/2018 8:20	7.7	20.8	0.0	71.5	-8.3	-8.62	70	Comments:No Change,,,,,,,,
EW10	9/24/2018 13:19	6.2	19.9	0.0	73.9	-7.2	-7.44	71	Comments:No Change,Valve slightly Open,,,,,,,,
EW10	10/11/2018 13:07	5.4	18.6	1.4	74.6	-6.8	-6.49	77	Comments:No Change,,,,,,,,
EW10	10/29/2018 12:27	5.6	20.2	0.0	74.2	-7.3	-7.70	55	Comments:No Change,Valve slightly Open,,,,,,,,
EW10	11/8/2018 14:42	4.2	20.3	0.0	75.5	-6.8	-7.08	68	Comments:No Change,,,,,,,,
EW10	11/14/2018 14:03	4.8	19.7	0.0	75.5	-6.7	-6.90	64	Comments:No Change,Valve slightly Open,,,,,,,,
EW10	12/7/2018 12:09	5.1	19.8	0.0	75.1	-11.1	-10.04	50	Comments:No Change,Valve slightly Open,,,,,,,,
EW10	12/18/2018 12:09	6.9	19.8	0.2	73.1	-14.7	-15.64	53	Comments:No Change,,,,,,,,
EW11	1/9/2018 11:37	54.7	26.1	0.1	19.1	-0.1	-0.03	55	
EW11	1/26/2018 10:28	64.1	24.2	0.6	11.1	-0.6	-0.24	41	
EW11	2/8/2018 11:30	72.1	21.3	0.3	6.3	-19.7	0.04	62	
EW11	2/22/2018 14:38	61.2	24.5	0.0	14.3	-9.1	-8.25	61	Comments:No Change,,,,,,,,
EW11	3/8/2018 11:57	45.8	23.6	0.0	30.6	-5.5	-6.08	47	Comments:No Change,,,,,,,,
EW11	3/15/2018 12:04	32.2	21.7	0.0	46.1	-6.3	-6.24	71	Comments:Increased Flow,,,,,,,,
EW11	4/10/2018 12:51	23.3	19.4	0.0	57.3	-0.9	-0.13	69	Comments:No Change,,,,,,,,
EW11	4/27/2018 12:48	7.8	19.5	1.2	71.5	-15.9	-15.34	68	Comments:No Change,,,,,,,,
EW11	5/18/2018 12:04	5.3	17.4	1.1	76.2	-13.7	-14.41	73	Comments:No Change,,,,,,,,
EW11	5/30/2018 11:55	7.9	17.6	0.9	73.6	-11.4	-10.84	90	Comments:No Change,,,,,,,,
EW11	6/12/2018 12:36	9.3	17.5	0.9	72.3	-10.4	-9.47	88	Comments:No Change,,,,,,,,
EW11	6/26/2018 12:00	10.0	18.6	0.9	70.5	-11.0	-10.06	75	Comments:No Change,,,,,,,,
EW11	7/10/2018 12:19	10.2	18.6	0.8	70.4	-10.0	-10.13	83	Comments:No Change,,,,,,,,
EW11	7/27/2018 10:36	10.3	19.5	0.9	69.3	-10.1	-10.30	83	Comments:No Change,,,,,,,,
EW11	8/14/2018 9:36	9.9	20.2	1.0	68.9	-10.4	-10.63	80	Comments:No Change,,,,,,,,
EW11	8/28/2018 11:38	12.4	20.3	0.8	66.5	-7.3	-7.44	84	Comments:No Change,,,,,,,,
EW11	9/5/2018 8:26	13.8	22.2	0.2	63.8	-8.0	-8.09	71	Comments:No Change,,,,,,,,



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW11	9/24/2018 13:21	9.5	20.4	0.3	69.8	-6.9	-7.01	72	Comments:No Change,Valve slightly Open,,,,,
EW11	10/11/2018 13:15	9.5	20.8	0.3	69.4	-10.5	-5.95	81	Comments:No Change,,,,,,
EW11	10/29/2018 12:29	9.7	21.1	0.1	69.1	-7.2	-7.24	56	Comments:No Change,Valve slightly Open,,,,,
EW11	11/8/2018 14:46	8.8	21.4	0.0	69.8	-6.6	-6.66	71	Comments:No Change,,,,,,
EW11	11/14/2018 14:06	9.4	21.0	0.0	69.6	-6.3	-6.63	64	Comments:No Change,Valve slightly Open,,,,,
EW11	12/7/2018 12:13	8.2	22.1	0.0	69.7	-9.9	-10.71	57	Comments:No Change,Valve slightly Open,,,,,
EW11	12/18/2018 12:06	7.8	21.8	0.0	70.4	-9.6	-7.54	53	Comments:No Change,,,,,,
EW12	1/9/2018 11:39	48.6	22.1	0.1	29.2	-0.2	-0.14	55	
EW12	1/26/2018 10:25	62.8	23.0	0.3	13.9	-0.5	-0.17	41	
EW12	2/8/2018 11:27	64.2	22.5	0.4	12.9	-0.1	-0.05	62	
EW12	2/22/2018 13:56	0.0	0.4	19.8	79.8	-2.5	-7.52	59	Comments:No Change,,,,,,
EW12	3/8/2018 11:54	43.8	23.9	0.0	32.3	-2.5	-7.02	47	Comments:No Change,,,,,,
EW12	3/15/2018 12:01	0.0	0.4	20.8	78.8	-2.6	-6.38	69	Comments:No Change,,,,,,
EW12	4/10/2018 12:49	26.3	19.6	0.0	54.1	-0.3	-0.07	60	Comments:No Change,Valve slightly Open,,,,,
EW12	4/27/2018 12:45	0.0	0.1	20.9	79.0	-5.9	-15.50	67	Comments:No Change,,,,,,
EW12	5/18/2018 12:01	0.0	0.0	20.9	79.1	-4.7	-12.79	73	Comments:No Change,,,,,,
EW12	5/30/2018 11:52	0.0	0.0	20.6	79.4	-3.3	-11.28	78	Comments:No Change,Valve slightly Open,,,,,
EW12	6/12/2018 12:32	0.0	0.0	20.1	79.9	-2.9	-10.81	87	Comments:No Change,,,,,,
EW12	6/26/2018 11:57	0.0	0.0	20.6	79.4	-2.6	-9.96	75	Comments:No Change,,,,,,
EW12	7/10/2018 12:17	0.0	0.0	20.5	79.5	-2.5	-9.69	82	Comments:No Change,Valve slightly Open,,,,,
EW12	7/27/2018 10:33	0.0	0.1	20.2	79.7	-2.6	-10.21	82	Comments:No Change,,,,,,
EW12	8/14/2018 9:34	0.0	0.1	20.6	79.3	-2.6	-11.10	79	Comments:No Change,Valve slightly Open,,,,,
EW12	8/28/2018 11:35	0.0	1.3	19.1	79.6	-1.8	-7.30	88	Comments:No Change,,,,,,
EW12	9/5/2018 8:33	0.1	2.8	17.5	79.6	-2.2	-7.93	70	Comments:No Change,,,,,,
EW12	9/24/2018 13:31	0.0	5.5	14.2	80.3	-1.8	-6.82	94	Comments:No Change,Valve slightly Open,,,,,



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW12	10/11/2018 13:18	0.2	15.3	4.2	80.3	-1.4	-6.01	69	Comments:No Change,,,,,,,,
EW12	10/29/2018 12:39	0.1	5.0	15.7	79.2	-1.6	-7.05	57	Comments:No Change,Valve slightly Open,,,,,,
EW12	11/8/2018 14:51	0.0	5.4	14.8	79.8	-1.6	-6.29	70	Comments:No Change,,,,,,,,
EW12	11/14/2018 14:09	0.1	7.1	13.4	79.4	-1.5	-6.61	64	Comments:No Change,Valve slightly Open,,,,,,
EW12	12/7/2018 12:16	0.1	7.0	13.5	79.4	-2.2	-9.51	56	Comments:No Change,Valve slightly Open,,,,,,
EW12	12/18/2018 12:04	0.0	14.0	6.2	79.8	-2.6	-6.94	53	Comments:No Change,Valve slightly Open,,,,,,
EW13	1/9/2018 11:42	49.0	22.3	0.3	28.4	-0.3	-0.13	55	
EW13	1/26/2018 10:22	43.0	19.0	4.1	33.9	-0.2	-0.15	41	
EW13	2/8/2018 11:25	63.3	22.9	0.3	13.5	0.0	0.03	62	
EW13	2/22/2018 13:53	12.5	18.3	0.0	69.2	-0.3	-7.44	59	Comments:No Change,,,,,,,,
EW13	3/8/2018 11:52	5.4	17.6	0.1	76.9	-0.1	-6.09	46	Comments:No Change,,,,,,,,
EW13	3/15/2018 11:56	3.2	16.3	0.3	80.2	-0.4	-6.36	62	Comments:No Change,,,,,,,,
EW13	4/10/2018 12:47	5.7	16.0	0.3	78.0	-0.7	-0.71	56	Comments:No Change,Valve slightly Open,,,,,,
EW13	4/27/2018 12:44	0.7	7.2	14.5	77.6	-0.7	-14.90	67	Comments:No Change,,,,,,,,
EW13	5/18/2018 11:57	0.6	6.9	14.2	78.3	-0.7	-13.52	73	Comments:No Change,,,,,,,,
EW13	5/30/2018 11:49	0.6	7.1	13.5	78.8	-0.4	-11.15	73	Comments:No Change,,,,,,,,
EW13	6/12/2018 12:30	0.5	6.6	13.3	79.6	-0.4	-11.68	87	Comments:No Change,,,,,,,,
EW13	6/26/2018 11:55	0.6	8.0	12.0	79.4	-0.9	-9.55	74	
EW13	7/10/2018 12:12	0.6	8.2	11.5	79.7	-0.6	-10.11	80	Comments:No Change,,,,,,,,
EW13	7/27/2018 10:31	0.6	8.6	11.5	79.3	-0.6	-10.25	81	Comments:No Change,,,,,,,,
EW13	8/14/2018 9:31	0.5	8.9	11.7	78.9	-0.6	-10.72	79	Comments:No Change,Valve slightly Open,,,,,,
EW13	8/28/2018 11:32	0.5	8.9	11.5	79.1	-0.5	-7.28	81	Comments:No Change,,,,,,,,
EW13	9/5/2018 8:35	0.7	10.9	9.8	78.6	-0.8	-7.94	70	Comments:No Change,,,,,,,,
EW13	9/24/2018 13:27	0.5	9.9	10.1	79.5	-0.6	-6.77	83	Comments:No Change,Valve slightly Open,,,,,,
EW13	10/11/2018 13:25	0.5	11.7	8.3	79.5	-0.4	-6.03	64	Comments:No Change,,,,,,,,
EW13	10/29/2018 12:32	0.7	12.1	8.3	78.9	-0.7	-7.14	57	Comments:No Change,Valve Closed,,,,,,



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW13	11/8/2018 14:54	0.4	10.6	9.7	79.3	-0.5	-6.32	69	Comments:No Change,,,,,,,,
EW13	11/14/2018 14:12	0.6	11.4	9.1	78.9	-0.8	-7.32	65	Comments:No Change,Valve slightly Open,,,,,,
EW13	12/7/2018 12:20	0.2	8.0	12.7	79.1	-0.6	-10.61	51	Comments:No Change,Valve slightly Open,,,,,,
EW13	12/18/2018 12:02	0.0	8.6	11.8	79.6	-1.1	-6.69	53	Comments:No Change,,,,,,,,
EW14	1/9/2018 11:46	50.7	24.4	0.7	24.2	-0.6	0.03	55	
EW14	1/26/2018 10:19	39.4	15.9	7.3	37.4	-0.6	-0.06	41	
EW14	2/8/2018 11:23	66.8	26.9	0.3	6.0	-0.6	-0.05	63	
EW14	2/22/2018 13:46	23.0	22.0	0.0	55.0	-0.9	-7.13	58	Comments:No Change,,,,,,,,
EW14	3/8/2018 11:49	23.9	22.3	0.0	53.8	-0.6	-7.24	48	Comments:No Change,,,,,,,,
EW14	3/15/2018 11:46	10.2	20.2	0.0	69.6	-1.0	-6.29	59	Comments:Increased Flow,,,,,,,,
EW14	4/10/2018 12:44	19.8	17.6	0.7	61.9	-0.7	-0.40	57	Comments:No Change,,,,,,,,
EW14	4/27/2018 12:41	5.1	13.5	8.3	73.1	-4.6	-14.12	68	Comments:No Change,,,,,,,,
EW14	5/18/2018 11:54	2.3	9.8	11.2	76.7	-3.4	-13.82	73	Comments:No Change,,,,,,,,
EW14	5/30/2018 11:45	1.5	8.4	11.7	78.4	-2.4	-10.42	71	
EW14	6/12/2018 12:27	0.6	6.7	12.7	80.0	-2.0	-10.02	86	Comments:No Change,,,,,,,,
EW14	6/26/2018 11:52	0.0	0.0	20.6	79.4	-1.6	-9.26	75	Comments:No Change,,,,,,,,
EW14	7/10/2018 12:10	0.6	5.5	15.2	78.7	-1.0	-9.78	80	Comments:No Change,,,,,,,,
EW14	7/10/2018 12:14	0.0	0.1	20.4	79.5	-2.6	-9.92	81	Comments:No Change,,,,,,,,
EW14	7/27/2018 10:28	0.0	0.1	20.1	79.8	-0.4	-9.85	81	Comments:No Change,Valve slightly Open,,,,,,
EW14	8/14/2018 9:28	0.2	5.4	15.2	79.2	-10.9	-10.63	79	Comments:No Change,,,,,,,,
EW14	8/28/2018 11:29	0.0	0.0	20.6	79.4	-0.5	-7.04	79	Comments:No Change,,,,,,,,
EW14	9/5/2018 8:43	0.7	7.0	13.3	79.0	-1.7	-7.41	69	Comments:No Change,,,,,,,,
EW14	9/24/2018 13:33	3.5	8.5	11.9	76.1	-2.4	-6.31	85	Comments:No Change,Valve slightly Open,,,,,,
EW14	10/11/2018 13:29	4.0	9.0	11.5	75.5	-2.2	-5.62	69	Comments:No Change,,,,,,,,
EW14	10/29/2018 12:35	5.2	10.3	11.4	73.1	-2.8	-6.71	57	Comments:No Change,Valve slightly Open,,,,,,
EW14	11/8/2018 14:58	4.5	9.9	11.1	74.5	-2.6	-5.90	70	Comments:No Change,,,,,,,,



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW14	11/14/2018 14:15	5.1	10.7	10.9	73.3	-2.6	-5.91	65	Comments:No Change,Valve slightly Open,,,,,
EW14	12/7/2018 12:24	3.2	9.7	11.0	76.1	-3.3	-10.25	48	Comments:No Change,Valve slightly Open,,,,,
EW14	12/18/2018 11:59	3.1	9.8	10.7	76.4	-3.9	-11.44	53	Comments:No Change,,,,,
EW15	1/9/2018 11:49	62.9	27.0	0.1	10.0	-19.4	0.01	55	
EW15	1/26/2018 10:16	32.9	13.2	9.4	44.5	-1.3	-0.11	41	
EW15	2/8/2018 11:20	46.4	13.6	0.6	39.4	-2.0	-0.03	63	
EW15	2/22/2018 13:42	50.8	20.3	0.2	28.7	-6.5	-7.70	57	Comments:No Change,,,,,
EW15	3/8/2018 11:46	46.0	20.4	0.7	32.9	-5.6	-6.04	45	Comments:No Change,,,,,
EW15	3/15/2018 11:41	41.2	20.8	0.4	37.6	-6.8	-7.18	51	Comments:Increased Flow,,,,,
EW15	4/10/2018 12:41	24.7	16.8	0.0	58.5	-0.5	-0.12	71	Comments:No Change,Valve slightly Open,,,,,
EW15	4/27/2018 12:36	22.7	19.9	0.6	56.8	-13.5	-13.35	68	Comments:No Change,,,,,
EW15	5/18/2018 11:47	9.6	16.6	2.2	71.6	-10.5	-10.19	73	Comments:No Change,,,,,
EW15	5/30/2018 11:35	9.1	15.0	3.6	72.3	-9.4	-10.04	65	Comments:No Change,,,,,
EW15	6/12/2018 12:16	8.9	13.9	3.9	73.3	-9.8	-9.74	86	Comments:No Change,Valve slightly Open,,,,,
EW15	6/26/2018 11:48	8.0	13.7	4.6	73.7	-8.9	-9.38	75	Comments:No Change,,,,,
EW15	7/10/2018 12:06	6.6	13.3	5.1	75.0	-9.2	-9.39	80	Comments:No Change,,,,,
EW15	7/27/2018 10:25	5.4	13.4	5.2	76.0	-9.4	-9.65	81	Comments:No Change,,,,,
EW15	8/14/2018 9:26	4.3	13.6	5.5	76.6	-9.9	-10.84	79	Comments:No Change,,,,,
EW15	8/28/2018 11:26	4.5	13.3	5.5	76.7	-6.4	-6.77	81	Comments:No Change,,,,,
EW15	9/5/2018 8:46	4.7	14.3	5.1	75.9	-6.9	-7.26	68	Comments:No Change,,,,,
EW15	9/24/2018 13:39	3.4	12.4	6.1	78.1	-5.7	-6.14	64	Comments:No Change,Valve slightly Open,,,,,
EW15	10/11/2018 15:15	2.9	12.0	7.0	78.1	-4.2	-4.79	69	Comments:No Change,,,,,
EW15	10/29/2018 12:45	3.4	12.4	7.0	77.2	-5.8	-6.61	57	Comments:No Change,,,,,
EW15	11/8/2018 15:01	2.9	12.3	7.1	77.7	-5.0	-5.58	69	Comments:No Change,,,,,
EW15	11/14/2018 14:18	2.8	12.2	7.4	77.6	-4.3	-5.23	65	Comments:No Change,Valve slightly Open,,,,,
EW15	12/7/2018 12:34	2.9	11.7	7.4	78.0	-4.5	-3.99	45	Comments:No Change,Valve slightly Open,,,,,



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW15	12/18/2018 11:56	4.0	12.6	6.7	76.7	-4.1	-4.46	55	Comments:Valve slightly Open,,,,,,,,
EW16	1/9/2018 11:16	39.8	19.7	1.7	38.8	-0.1	-0.04	56	
EW16	1/26/2018 9:56	35.9	14.9	3.1	46.1	-0.2	-0.08	43	
EW16	2/8/2018 10:39	45.6	13.3	0.7	40.4	0.0	0.05	62	
EW16	2/22/2018 11:07	0.0	6.1	10.9	83.0	-7.1	-8.14	53	Comments:No Change,,,,,,,,
EW16	3/8/2018 11:23	0.0	9.1	6.9	84.0	-5.5	-6.27	48	Comments:Valve slightly Open,,,,,,,,
EW16	3/15/2018 11:22	0.0	8.4	8.6	83.0	-7.8	-8.06	0	Comments:No Change,Valve slightly Open,,,,,,,,
EW16	4/10/2018 11:46	18.8	17.3	2.0	61.9	-0.4	-0.32	72	Comments:Valve slightly Open,,,,,,,,
EW16	4/27/2018 12:11	0.0	6.5	12.1	81.4	-12.4	-12.76	69	Comments:No Change,Valve slightly Open,,,,,,,,
EW16	5/18/2018 11:18	0.0	5.4	13.9	80.7	-10.7	-10.32	72	Comments:No Change,Valve slightly Open,,,,,,,,
EW16	5/30/2018 11:11	0.0	5.2	14.0	80.8	-8.9	-9.49	61	Comments:No Change,Valve slightly Open,,,,,,,,
EW16	6/12/2018 11:53	0.2	4.8	13.9	81.1	-9.1	-9.27	82	Comments:No Change,Valve slightly Open,,,,,,,,
EW16	6/26/2018 11:28	0.2	5.0	13.7	81.1	-8.6	-9.21	71	Comments:No Change,Valve slightly Open,,,,,,,,
EW16	7/10/2018 11:48	0.2	5.0	13.7	81.1	-8.9	-9.24	75	Comments:No Change,Valve slightly Open,,,,,,,,
EW16	7/27/2018 9:25	0.2	5.1	13.9	80.8	-9.3	-9.96	79	Comments:No Change,,,,,,,,
EW16	8/14/2018 9:09	0.2	5.1	14.0	80.7	-10.0	-9.60	75	Comments:Decreased Flow,,,,,,,,
EW16	8/28/2018 11:08	0.2	5.3	13.6	80.9	-5.7	-6.66	74	Comments:Decreased Flow,,,,,,,,
EW16	9/5/2018 9:35	0.3	5.9	12.8	81.0	-2.0	-7.26	71	Comments:No Change,,,,,,,,
EW16	9/24/2018 12:23	0.0	5.7	12.8	81.5	-1.9	-6.31	68	Comments:Valve Closed,,,,,,,,
EW16	10/11/2018 12:24	5.4	13.3	3.1	78.2	-0.9	-5.69	63	Comments:No Change,,,,,,,,
EW16	10/29/2018 11:50	10.3	13.2	4.0	72.5	-1.2	-6.54	57	Comments:No Change,Valve Closed,,,,,,,,
EW16	11/8/2018 14:02	15.6	15.7	0.6	68.1	-0.5	-5.77	65	
EW16	11/14/2018 13:24	14.1	14.6	2.1	69.2	-1.1	-5.18	62	Comments:No Change,Valve Closed,,,,,,,,
EW16	12/7/2018 11:15	14.6	16.3	1.2	67.9	-0.4	-4.52	48	Comments:No Change,Valve Closed,,,,,,,,
EW16	12/18/2018 11:37	15.2	17.0	0.2	67.6	-2.2	-4.86	55	Comments:Valve slightly Open,,,,,,,,
EW17	1/9/2018 11:27	0.0	6.4	12.1	81.5	-0.2	-0.06	55	



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW17	1/26/2018 10:05	0.0	2.0	19.8	78.2	-0.7	0.61	40	
EW17	2/8/2018 11:12	0.0	6.6	12.6	80.8	-0.2	-0.04	64	
EW17	2/22/2018 13:33	0.0	2.4	17.1	80.5	-1.2	-7.05	57	Comments:Valve slightly Open,,,,,,,,
EW17	3/8/2018 11:39	0.0	6.1	11.4	82.5	-0.8	-6.48	49	Comments:No Change,,,,,,,,
EW17	3/15/2018 11:31	0.0	4.9	15.2	79.9	-5.0	-7.38	40	Comments:No Change,,,,,,,,
EW17	4/10/2018 11:58	19.7	18.1	1.0	61.2	-0.5	-0.41	72	Comments:No Change,,,,,,,,
EW17	4/27/2018 12:21	0.0	4.2	16.4	79.4	-9.1	-13.38	69	Comments:No Change,Valve slightly Open,,,,,,,,
EW17	5/18/2018 11:41	0.0	3.7	17.1	79.2	-2.7	-9.68	73	Comments:Valve Wide Open,,,,,,,,
EW17	5/30/2018 11:38	0.0	3.6	17.0	79.4	-8.0	-9.38	65	Comments:No Change,,,,,,,,
EW17	6/12/2018 12:02	0.0	3.1	17.8	79.1	-5.3	-9.56	83	Comments:Valve slightly Open,,,,,,,,
EW17	6/26/2018 11:38	0.0	3.4	17.1	79.5	-4.2	-8.80	75	Comments:No Change,Valve slightly Open,,,,,,,,
EW17	7/10/2018 11:56	0.0	3.2	17.8	79.0	-4.0	-9.41	78	Comments:Decreased Flow,,,,,,,,
EW17	7/27/2018 10:03	0.0	2.3	17.7	80.0	-0.9	-9.99	79	Comments:Valve slightly Open,,,,,,,,
EW17	8/14/2018 9:13	0.0	3.1	17.3	79.6	-2.0	-10.37	75	Comments:No Change,,,,,,,,
EW17	8/28/2018 11:20	0.0	3.1	17.2	79.7	-1.4	-6.67	77	Comments:No Change,,,,,,,,
EW17	9/5/2018 8:51	0.0	3.4	16.8	79.8	-1.7	-7.26	68	Comments:No Change,,,,,,,,
EW17	9/24/2018 13:44	0.0	3.0	16.1	80.9	-1.3	-6.00	83	Comments:No Change,Valve slightly Open,,,,,,,,
EW17	10/11/2018 15:18	0.0	4.5	15.8	79.7	-1.0	-4.96	68	Comments:No Change,,,,,,,,
EW17	10/29/2018 12:49	0.0	3.8	16.3	79.9	-1.6	-6.51	60	Comments:No Change,Valve slightly Open,,,,,,,,
EW17	11/8/2018 15:05	0.0	3.9	16.1	80.0	-1.1	-5.46	69	Comments:No Change,,,,,,,,
EW17	11/14/2018 14:22	0.0	3.9	16.3	79.8	-1.3	-5.08	65	Comments:No Change,Valve slightly Open,,,,,,,,
EW17	12/7/2018 11:30	0.0	3.6	16.7	79.7	-1.3	-5.02	42	Comments:No Change,Valve slightly Open,,,,,,,,
EW17	12/18/2018 11:52	0.0	4.1	15.7	80.2	-2.4	-3.61	55	Comments:Valve slightly Open,,,,,,,,
EW18	1/9/2018 11:22	35.2	19.2	0.1	45.5	-0.2	-0.09	55	
EW18	1/26/2018 10:02	10.1	13.7	0.1	76.1	-0.6	-0.36	42	
EW18	2/8/2018 11:08	48.7	15.6	0.3	35.4	0.0	0.03	65	



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW18	2/22/2018 11:15	0.0	4.9	15.6	79.5	-7.7	-7.69	42	Comments:Valve Wide Open,,,,,,,,
EW18	3/8/2018 11:36	0.0	3.2	17.5	79.3	-5.2	-6.89	49	Comments:No Change,,,,,,,,
EW18	3/15/2018 11:27	0.0	3.4	17.8	78.8	-7.8	-7.80	56	Comments:Increased Flow,,,,,,,,
EW18	4/10/2018 11:50	19.0	18.3	0.3	62.4	-0.4	-0.46	72	Comments:No Change,,,,,,,,
EW18	4/27/2018 12:17	0.0	3.5	17.2	79.3	-12.0	-11.94	69	Comments:No Change,Valve Wide Open,,,,,,,,
EW18	5/18/2018 11:25	0.0	3.6	16.9	79.5	-10.3	-10.36	73	Comments:No Change,Valve Wide Open,,,,,,,,
EW18	5/30/2018 11:21	0.0	2.6	18.1	79.3	-8.5	-9.58	67	Comments:No Change,Valve Wide Open,,,,,,,,
EW18	6/12/2018 11:59	0.0	3.4	16.3	80.3	-8.9	-9.46	83	Comments:No Change,Valve Wide Open,,,,,,,,
EW18	6/26/2018 11:35	0.0	3.4	17.1	79.5	-8.2	-8.76	74	Comments:No Change,,,,,,,,
EW18	7/10/2018 11:53	0.0	3.4	17.1	79.5	-8.4	-8.73	77	Comments:No Change,,,,,,,,
EW18	7/27/2018 9:58	0.0	3.4	15.7	80.9	-8.9	-9.67	79	Comments:No Change,,,,,,,,
EW18	8/14/2018 9:22	4.4	15.0	4.9	75.7	-13.6	-13.56	79	Comments:Valve Wide Open,,,,,,,,
EW18	8/14/2018 9:49	0.0	3.3	16.4	80.3	-9.2	-10.76	84	Comments:No Change,,,,,,,,
EW18	8/28/2018 11:16	0.0	3.3	16.9	79.8	-6.1	-6.50	76	Comments:No Change,,,,,,,,
EW18	9/5/2018 7:33	0.1	3.7	16.0	80.2	-6.6	-7.10	62	Comments:No Change,,,,,,,,
EW18	9/24/2018 12:32	0.0	3.3	16.9	79.8	-6.0	-6.08	67	Comments:Decreased Flow,,,,,,,,
EW18	10/11/2018 12:31	0.0	3.6	17.2	79.2	-5.4	-5.40	68	Comments:No Change,Valve Wide Open,,,,,,,,
EW18	10/29/2018 11:55	0.0	3.8	16.4	79.8	-6.0	-6.31	58	Comments:No Change,Valve Wide Open,,,,,,,,
EW18	11/8/2018 14:08	0.0	3.7	17.2	79.1	-5.3	-5.47	68	Comments:No Change,Valve Wide Open,,,,,,,,
EW18	11/14/2018 13:32	0.0	3.1	16.5	80.4	-4.5	-4.97	61	Comments:No Change,Valve Wide Open,,,,,,,,
EW18	12/7/2018 11:35	0.0	3.9	16.1	80.0	-2.9	-3.09	44	Comments:No Change,Valve slightly Open,,,,,,,,
EW18	12/18/2018 11:43	0.0	3.9	15.9	80.2	-1.7	-1.95	55	Comments:Valve Wide Open,,,,,,,,
EW19	1/9/2018 11:30	33.2	20.7	0.0	46.1	0.0	-0.02	55	
EW19	1/26/2018 10:09	38.2	20.2	0.1	41.5	-0.1	-0.08	40	
EW19	2/8/2018 11:16	45.3	18.3	0.6	35.8	0.1	0.04	64	



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW19	2/22/2018 13:37	18.7	16.7	2.3	62.3	-4.0	-10.25	57	Comments:No Change,,,,,,,,
EW19	3/8/2018 11:42	25.6	16.1	0.9	57.4	-3.8	-10.18	47	Comments:No Change,,,,,,,,
EW19	3/15/2018 11:34	21.4	15.2	3.4	60.0	-7.1	-8.75	68	Comments:Increased Flow,,,,,,,,
EW19	4/10/2018 11:55	17.5	14.4	2.9	65.2	-0.7	-0.05	72	Comments:No Change,,,,,,,,
EW19	4/27/2018 12:27	12.2	11.5	7.5	68.8	-17.8	-23.62	68	Comments:No Change,,,,,,,,
EW19	5/18/2018 11:31	7.3	11.5	7.2	74.0	-15.7	-22.13	73	Comments:No Change,Valve slightly Open,,,,,,,,
EW19	5/30/2018 11:25	7.3	12.6	6.3	73.8	-13.0	-18.83	73	Comments:No Change,,,,,,,,
EW19	5/30/2018 11:29	0.0	3.7	16.7	79.6	-7.9	-8.89	68	Comments:No Change,,,,,,,,
EW19	6/12/2018 12:08	6.7	12.6	5.8	74.9	-12.3	-18.22	85	Comments:No Change,,,,,,,,
EW19	6/26/2018 11:44	6.0	13.5	5.7	74.8	-12.3	-18.76	76	Comments:No Change,,,,,,,,
EW19	7/10/2018 12:01	0.8	2.5	18.6	78.1	-11.9	-17.56	78	Comments:Valve Wide Open,,,,,,,,
EW19	7/27/2018 10:06	0.0	0.1	20.2	79.7	-14.4	-15.29	81	Comments:No Change,,,,,,,,
EW19	8/28/2018 11:49	4.6	14.9	4.9	75.6	-12.2	-12.54	88	Comments:No Change,,,,,,,,
EW19	9/5/2018 8:56	5.2	16.3	4.1	74.4	-12.4	-12.80	69	Comments:No Change,,,,,,,,
EW19	9/24/2018 13:48	4.8	15.4	4.3	75.5	-11.9	-12.24	70	Comments:No Change,Valve slightly Open,,,,,,,,
EW19	10/11/2018 15:22	4.4	14.7	5.1	75.8	-11.1	-11.43	72	Comments:No Change,Valve Wide Open,,,,,,,,
EW19	10/29/2018 12:59	5.4	16.7	3.9	74.0	-11.4	-11.70	60	Comments:No Change,,,,,,,,
EW19	11/8/2018 15:09	5.3	16.8	3.8	74.1	-11.1	-11.29	68	Comments:No Change,,,,,,,,
EW19	11/14/2018 14:27	5.4	16.9	3.8	73.9	-11.3	-11.70	65	Comments:No Change,Valve Wide Open,,,,,,,,
EW19	12/7/2018 12:31	0.0	0.4	19.9	79.7	-14.5	-18.17	52	Comments:Valve slightly Open,Decreased Flow,,,,,,,,
EW19	12/18/2018 11:47	5.7	16.5	0.6	77.2	-1.6	-0.73	53	Comments:Valve slightly Open,,,,,,,,
EW20	1/9/2018 11:52	7.4	12.7	0.4	79.5	0.0	0.04	55	
EW20	1/26/2018 10:34	9.1	11.2	0.6	79.1	-0.3	-0.18	39	
EW20	2/8/2018 11:35	8.4	8.1	4.7	78.8	0.0	-0.37	62	
EW20	2/22/2018 14:41	0.1	0.7	19.7	79.5	-10.2	-8.46	58	Comments:No Change,,,,,,,,
EW20	3/8/2018 12:12	0.4	0.4	21.0	78.2	-10.6	-10.53	49	Comments:No Change,,,,,,,,
EW20	3/15/2018 12:11	0.2	0.4	20.3	79.1	-8.9	-8.76	80	Comments:No Change,,,,,,,,



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW20	4/10/2018 12:57	11.9	14.9	0.0	73.2	-0.1	-0.06	72	Comments:No Change,,,,,,,,
EW20	4/27/2018 12:54	0.0	0.0	20.9	79.1	-23.7	-23.74	68	Comments:No Change,,,,,,,,
EW20	5/18/2018 12:09	0.0	0.0	20.7	79.3	-22.5	-22.36	73	Comments:No Change,,,,,,,,
EW20	5/30/2018 12:01	0.0	3.3	16.4	80.3	-1.5	-19.15	80	
EW20	6/12/2018 12:43	0.6	3.5	15.5	80.4	-1.4	-18.64	88	Comments:No Change,,,,,,,,
EW20	6/26/2018 12:04	0.9	4.2	15.8	79.1	-1.7	-19.02	75	Comments:No Change,,,,,,,,
EW20	7/10/2018 12:25	0.2	4.5	14.7	80.6	-1.0	-17.08	86	Comments:No Change,,,,,,,,
EW20	7/27/2018 10:43	0.0	0.1	20.2	79.7	0.0	-12.75	86	Comments:No Change,,,,,,,,
EW20	8/14/2018 9:43	2.8	7.8	11.5	77.9	-2.8	-14.24	81	Comments:No Change,Valve slightly Open,,,,,
EW20	8/28/2018 11:45	0.0	0.0	20.3	79.7	0.0	-12.68	88	Comments:No Change,,,,,,,,
EW20	9/5/2018 9:03	0.1	0.1	20.4	79.4	-0.4	-13.05	72	Comments:No Change,,,,,,,,
EW20	9/24/2018 13:36	0.0	0.1	19.8	80.1	0.0	-12.42	77	Comments:No Change,Valve slightly Open,,,,,
EW20	10/11/2018 13:35	0.0	0.2	20.1	79.7	0.1	-12.43	73	Comments:No Change,,,,,,,,
EW20	10/29/2018 12:42	0.0	0.7	20.6	78.7	0.0	-11.91	58	Comments:No Change,Valve Closed,,,,,
EW20	11/8/2018 15:13	0.0	0.7	20.3	79.0	-0.1	-11.33	67	Comments:No Change,,,,,,,,
EW20	11/14/2018 14:30	0.0	0.8	20.6	78.6	-0.1	-11.81	65	Comments:No Change,Valve slightly Open,,,,,
EW20	12/7/2018 12:27	0.0	0.7	19.7	79.6	0.0	-15.22	53	Comments:Valve Closed,Decreased Flow,,,,,
EW20	12/18/2018 12:11	0.0	0.4	20.2	79.4	-0.1	-0.62	54	Comments:No Change,Watered In,,,,,
EW21	1/9/2018 12:18	5.5	18.3	0.7	75.5	0.0	-11.34	53	
EW21	1/26/2018 10:56	7.2	19.4	0.0	73.4	-0.9	-12.66	41	
EW21	2/8/2018 11:55	7.3	17.5	0.3	74.9	-0.4	-12.30	63	
EW21	2/22/2018 15:21	6.0	17.7	0.0	76.3	-0.5	-10.31	40	Comments:No Change,,,,,,,,
EW21	3/8/2018 12:30	7.9	17.8	0.0	74.3	-0.8	-10.34	49	Comments:No Change,Valve slightly Open,,,,,
EW21	3/15/2018 12:50	6.5	17.0	0.0	76.5	-0.3	-8.63	65	Comments:No Change,Valve slightly Open,,,,,
EW21	4/10/2018 12:17	6.2	17.5	0.0	76.3	-0.5	-12.43	62	Comments:No Change,Valve slightly Open,,,,,
EW21	4/27/2018 13:14	2.0	16.9	1.4	79.7	-0.9	-24.37	68	Comments:No Change,,,,,,,,



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW21	5/18/2018 12:21	0.4	17.5	2.1	80.0	-0.5	-23.05	74	Comments:No Change,,,,,,,,
EW21	5/30/2018 12:24	0.3	17.2	2.1	80.4	-0.5	-19.67	79	Comments:No Change,,,,,,,,
EW21	6/12/2018 13:03	0.2	17.6	1.7	80.5	-0.5	-19.21	91	Comments:No Change,,,,,,,,
EW21	7/10/2018 12:53	0.0	16.9	2.8	80.3	0.0	-17.88	95	Comments:No Change,,,,,,,,
EW21	7/27/2018 11:12	0.1	18.1	1.4	80.4	-0.5	-16.44	93	Comments:No Change,,,,,,,,
EW21	8/14/2018 10:17	0.2	18.6	1.0	80.2	-0.3	-12.40	94	Comments:Valve Wide Open,,,,,,,,
EW21	8/28/2018 12:22	0.5	13.6	6.6	79.3	-8.6	-13.42	111	Comments:No Change,,,,,,,,
EW21	9/5/2018 9:13	0.7	15.2	6.0	78.1	-8.5	-13.74	75	Comments:No Change,,,,,,,,
EW21	9/24/2018 13:51	0.5	13.8	6.4	79.3	-7.8	-13.22	73	Comments:No Change,Valve slightly Open,,,,,,,,
EW21	10/11/2018 15:24	0.6	13.5	6.6	79.3	-7.1	-12.23	64	Comments:No Change,,,,,,,,
EW21	10/29/2018 12:23	0.5	13.1	7.7	78.7	-7.2	-12.55	59	Comments:No Change,Valve slightly Open,,,,,,,,
EW21	11/8/2018 15:19	0.3	14.8	6.9	78.0	-7.0	-12.35	65	Comments:No Change,,,,,,,,
EW21	11/14/2018 13:50	0.5	14.7	6.9	77.9	-7.1	-12.74	63	Comments:No Change,Valve slightly Open,,,,,,,,
EW21	12/7/2018 12:38	0.6	15.1	6.6	77.7	-10.6	-17.65	52	Comments:Valve slightly Open,,,,,,,,
EW21	12/18/2018 12:33	0.7	14.4	7.8	77.1	-14.0	-22.84	55	Comments:No Change,,,,,,,,
EW02R	1/9/2018 11:58	33.8	15.9	0.0	50.3	0.0	0.02	56	
EW02R	1/26/2018 11:00	36.1	20.5	0.0	43.4	-0.2	-0.16	40	
EW02R	2/8/2018 12:05	63.1	24.3	0.2	12.4	0.1	0.12	63	
EW02R	2/22/2018 15:06	6.4	10.2	10.1	73.3	-7.4	-7.40	38	
EW02R	3/8/2018 12:38	4.9	9.4	10.0	75.7	-5.9	-6.85	48	
EW02R	3/15/2018 12:20	3.8	8.3	10.8	77.1	-5.6	-6.04	59	
EW02R	4/10/2018 12:02	17.5	21.1	0.3	61.1	-0.5	-0.11	64	
EW02R	4/27/2018 13:19	2.9	7.6	13.2	76.3	-12.2	-12.26	61	
EW02R	5/18/2018 12:26	1.1	5.5	15.0	78.4	-9.6	-10.30	64	
EW02R	5/30/2018 12:30	1.0	5.5	13.4	80.1	-8.4	-9.22	65	
EW02R	6/12/2018 13:11	1.2	6.8	11.6	80.4	-8.7	-9.36	65	
EW02R	6/26/2018 12:08	1.2	6.8	12.5	79.5	-7.9	-8.80	70	
EW02R	7/10/2018 12:29	1.1	6.5	12.7	79.7	-8.1	-8.76	66	



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW02R	7/27/2018 10:48	1.0	6.7	12.8	79.5	-8.7	-9.56	87	
EW02R	8/14/2018 9:53	1.0	7.1	12.8	79.1	-9.5	-9.53	67	
EW02R	8/28/2018 11:56	1.1	6.7	12.7	79.5	-5.9	-6.44	68	
EW02R	9/5/2018 7:37	1.3	8.0	12.4	78.3	-6.5	-7.13	65	
EW02R	9/24/2018 12:35	1.3	6.6	13.6	78.5	-5.7	-6.06	66	
EW02R	10/11/2018 12:36	1.4	7.2	13.3	78.1	-5.0	-5.21	66	
EW02R	10/29/2018 12:00	0.9	6.8	13.2	79.1	-0.6	-1.01	58	
EW02R	11/8/2018 14:12	1.5	6.8	13.7	78.0	-5.0	-5.30	68	
EW02R	11/14/2018 13:35	1.5	7.0	14.3	77.2	-4.2	-4.96	62	
EW02R	12/7/2018 11:39	2.2	7.8	13.6	76.4	-3.5	-5.06	51	
EW02R	12/18/2018 12:39	9.7	16.8	0.9	72.6	-0.4	-0.48	57	
EW03R	1/9/2018 12:01	14.4	11.8	1.3	72.5	0.0	0.02	55	
EW03R	1/26/2018 11:04	26.1	21.2	0.0	52.7	-0.1	-0.12	41	
EW03R	2/8/2018 12:08	28.3	20.5	0.0	51.2	0.0	0.04	63	
EW03R	2/22/2018 15:10	23.7	16.2	3.2	56.9	-0.4	-0.36	35	
EW03R	3/8/2018 12:36	19.2	15.2	3.8	61.8	-0.2	-0.31	49	Comments:No Change,,,,,,
EW03R	3/15/2018 12:27	20.1	14.0	2.7	63.2	-0.3	-0.29	60	Comments:No Change,,,,,,
EW03R	4/10/2018 12:05	6.8	8.7	10.1	74.4	-0.3	-0.25	55	Comments:No Change,,,,,,
EW03R	4/27/2018 13:22	2.5	10.3	7.7	79.5	-23.2	-23.25	56	Comments:No Change,,,,,,
EW03R	5/18/2018 12:29	0.6	9.4	9.5	80.5	-22.1	-22.16	60	Comments:No Change,,,,,,
EW03R	5/30/2018 12:37	0.5	7.3	11.4	80.8	-18.5	-18.62	63	Comments:No Change,,,,,,
EW03R	6/12/2018 13:14	1.1	11.8	5.8	81.3	-17.8	-17.76	66	Comments:No Change,,,,,,
EW03R	6/26/2018 12:11	0.6	12.1	6.3	81.0	-18.6	-18.86	72	Comments:No Change,,,,,,
EW03R	7/10/2018 12:33	0.4	11.5	6.6	81.5	-17.1	-15.61	79	Comments:Decreased Flow,,,,,,
EW03R	7/27/2018 10:51	0.3	12.6	5.9	81.2	-14.8	-14.75	87	Comments:No Change,,,,,,
EW03R	8/14/2018 9:57	0.7	12.2	6.8	80.3	-13.6	-14.23	74	Comments:Decreased Flow,,,,,,
EW03R	8/28/2018 12:02	0.3	12.2	6.7	80.8	-12.5	-14.20	68	Comments:Valve Wide Open,,,,,,
EW03R	9/5/2018 7:44	0.7	12.4	6.8	80.1	-14.5	-14.65	64	Comments:No Change,,,,,,
EW03R	9/24/2018 12:41	0.3	12.2	7.4	80.1	-14.2	-14.21	65	Comments:No Change,,,,,,



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW03R	10/11/2018 12:40	0.3	12.0	8.0	79.7	-14.3	-14.05	64	Comments:No Change,Valve Wide Open,,,,,
EW03R	10/29/2018 12:02	0.3	10.0	8.9	80.8	-9.5	-9.36	59	Comments:No Change,Valve Wide Open,,,,,
EW03R	11/8/2018 14:16	0.3	12.0	8.3	79.4	-13.3	-13.22	67	Comments:No Change,Valve Wide Open,,,,,
EW03R	11/14/2018 13:37	0.4	11.7	7.9	80.0	-13.1	-13.14	62	Comments:No Change,Valve Wide Open,,,,,
EW03R	12/7/2018 11:44	0.4	12.2	8.6	78.8	-4.2	-4.54	50	Comments:No Change,Watered In,Valve slightly Open,,,,,
EW03R	12/18/2018 12:43	0.0	13.9	4.2	81.9	-0.2	-0.85	55	Comments:No Change,Watered In,,,,,
EW04R	1/9/2018 12:05	18.6	9.3	0.2	71.9	0.0	0.04	54	
EW04R	1/26/2018 11:07	22.8	7.2	0.0	70.0	0.0	0.03	41	
EW04R	2/8/2018 12:12	24.6	7.7	0.1	67.6	0.1	0.04	62	
EW04R	2/22/2018 15:13	15.6	6.1	0.0	78.3	-0.1	-0.04	41	
EW04R	3/8/2018 12:33	9.0	7.2	0.0	83.8	0.0	-0.02	48	Comments:No Change,,,,,
EW04R	3/15/2018 12:31	3.9	5.5	1.0	89.6	-0.1	-0.08	64	Comments:No Change,,,,,
EW04R	4/10/2018 12:09	5.5	5.1	0.2	89.2	-0.1	-0.10	55	Comments:No Change,,,,,
EW04R	4/27/2018 13:25	1.2	9.4	10.5	78.9	-1.9	-23.61	58	Comments:No Change,,,,,
EW04R	5/18/2018 12:31	0.4	7.0	13.0	79.6	-1.7	-22.15	63	Comments:No Change,,,,,
EW04R	5/30/2018 12:41	0.4	7.3	12.0	80.3	-1.4	-18.64	85	Comments:No Change,Valve Wide Open,,,,,
EW04R	6/12/2018 13:18	0.4	7.8	11.1	80.7	-1.5	-17.76	75	Comments:No Change,,,,,
EW04R	6/26/2018 12:15	0.3	8.3	11.3	80.1	-1.5	-18.67	74	Comments:No Change,,,,,
EW04R	7/10/2018 12:36	0.2	8.4	10.8	80.6	-1.2	-17.29	74	Comments:No Change,Valve slightly Open,,,,,
EW04R	7/27/2018 10:55	0.1	9.4	9.6	80.9	-1.0	-15.06	88	Comments:Decreased Flow,,,,,
EW04R	8/14/2018 10:02	0.1	11.0	7.6	81.3	-0.8	-13.16	74	Comments:Valve slightly Open,,,,,
EW04R	8/28/2018 12:08	0.1	10.2	9.1	80.6	-0.9	-14.27	86	Comments:No Change,,,,,
EW04R	9/5/2018 7:54	0.2	12.0	7.8	80.0	-1.5	-14.65	60	Comments:No Change,,,,,
EW04R	9/24/2018 12:48	0.1	10.8	9.4	79.7	-1.2	-13.20	74	Comments:No Change,,,,,
EW04R	10/11/2018 12:44	0.1	11.0	9.5	79.4	-1.3	-13.15	58	Comments:No Change,,,,,



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW04R	10/29/2018 12:08	0.1	11.6	9.1	79.2	-1.2	-12.04	62	Comments:No Change,Valve Wide Open,,,,,,
EW04R	11/8/2018 14:20	0.1	11.0	9.9	79.0	-1.3	-14.37	66	Comments:Valve Wide Open,,,,,,
EW04R	11/14/2018 13:42	0.1	11.2	9.7	79.0	-1.3	-14.09	62	Comments:No Change,Valve Wide Open,,,,,,
EW04R	12/7/2018 11:50	0.1	12.2	7.2	80.5	-1.0	-5.11	50	Comments:No Change,Valve slightly Open,,,,,,
EW04R	12/18/2018 12:48	0.1	11.7	8.2	80.0	-1.3	-8.34	55	Comments:No Change,,,,,,
EW05R	1/9/2018 12:08	0.0	6.2	11.8	82.0	-7.0	-10.99	54	
EW05R	1/26/2018 11:10	0.4	6.8	11.7	81.1	-12.7	-12.67	41	
EW05R	2/8/2018 12:16	0.0	0.1	20.9	79.0	-12.3	-12.30	62	
EW05R	2/22/2018 15:16	0.0	6.0	13.2	80.8	-6.3	-10.18	37	
EW05R	3/8/2018 12:27	0.0	5.1	14.0	80.9	-5.8	-10.16	60	Comments:No Change,,,,,,
EW05R	3/15/2018 12:35	0.0	4.6	14.4	81.0	-4.3	-8.42	61	Comments:Increased Flow,,,,,,
EW05R	4/10/2018 12:13	0.1	5.6	12.7	81.6	-9.1	-12.41	61	Comments:Valve slightly Open,,,,,,
EW05R	4/27/2018 13:28	0.0	5.5	14.8	79.7	-4.1	-23.77	58	Comments:No Change,,,,,,
EW05R	5/18/2018 12:34	0.0	5.6	14.4	80.0	-11.2	-20.29	62	Comments:No Change,,,,,,
EW05R	5/30/2018 12:45	0.0	4.7	15.8	79.5	-10.1	-18.47	62	Comments:No Change,,,,,,
EW05R	6/12/2018 13:22	0.0	4.9	14.9	80.2	-7.5	-18.32	77	Comments:Valve slightly Open,,,,,,
EW05R	6/26/2018 12:17	0.0	5.7	14.5	79.8	-7.3	-18.62	64	Comments:No Change,,,,,,
EW05R	7/10/2018 12:39	0.0	6.0	13.5	80.5	-6.7	-17.21	79	Comments:No Change,,,,,,
EW05R	7/27/2018 10:59	0.0	7.2	12.0	80.8	-5.9	-15.53	88	Comments:Decreased Flow,,,,,,
EW05R	8/14/2018 10:05	0.0	9.7	9.3	81.0	-5.6	-13.21	75	Comments:No Change,,,,,,
EW05R	8/28/2018 12:13	0.0	7.4	12.5	80.1	-5.6	-14.15	69	Comments:No Change,,,,,,
EW05R	9/5/2018 7:58	0.0	8.8	11.8	79.4	-6.2	-14.57	69	Comments:No Change,,,,,,
EW05R	9/24/2018 12:52	0.0	7.6	13.0	79.4	-5.9	-9.44	70	Comments:No Change,,,,,,
EW05R	10/11/2018 12:48	0.0	7.7	13.2	79.1	-6.2	-9.78	70	Comments:No Change,,,,,,
EW05R	10/12/2018 12:48	0	7.7	12.9	79.4	-6.51	-9.12	60.2	Comments:No Change,,,,,,
EW05R	11/8/2018 14:25	0	7.3	14	78.7	-6.58	-12.73	63.9	Comments:No Change,,,,,,
EW05R	11/14/2018 13:44	0	7	14.6	78.4	-8.7	-13.3	62	Comments:No Change,,,,,,



Table 2. LFG Extraction Well Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

GEM ID	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Static Pressure ("H2O)	System Pressure ("H2O)	Init Temp (F)	Comments
EW05R	12/7/2018 11:53	0	6.2	14.5	79.3	-11.02	-15.69	46.6	Comments:No Change,Valve slightly Open,,,,,
EW05R	12/18/2018 12:50	0	5.1	16	78.9	-15.38	-15.31	55.5	Comments:No Change,,,,,,



Table 3. LFG Sample Port and Blower Vent Station Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

Name	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	VOC (PPM)	Init Static Pressure ("H2O)	Init Flow (scfm)	Comments
Blower Inlet-4	1/9/2018 12:38	4.4	15.9	3.3	76.4	NA	-11.3	0	
Blower Inlet-4	1/26/2018 11:17	6.2	17.2	2.3	74.3	NA	-12.6	0	
Blower Inlet-4	2/8/2018 12:23	0.7	1.6	20.4	77.3	NA	-12.4	0	
Blower Inlet-4	2/22/2018 15:31	13.7	13.1	5.9	67.3	NA	-10.6	12	
Blower Inlet-4	3/8/2018 12:50	14.7	9.9	8.6	66.8	NA	-10.3	11	
Blower Inlet-4	3/15/2018 12:54	13.1	8.5	9.8	68.6	NA	-8.8	18	
Blower Inlet-4	4/10/2018 13:16	5.0	14.4	2.6	78.0	NA	-12.4	0	
Blower Inlet-4	4/27/2018 13:34	8.9	9.1	9.2	72.8	NA	-24.5	33	
Blower Inlet-4	5/18/2018 12:52	3.2	5.8	13.9	77.1	NA	-21.8	32	
Blower Inlet-4	5/30/2018 12:50	2.4	4.9	14.9	77.8	NA	-20.2	38	
Blower Inlet-4	6/12/2018 13:35	5.3	11.0	7.5	76.2	NA	-19.9	38	
Blower Inlet-4	6/26/2018 12:59	4.9	12.0	7.1	76.0	NA	-19.9	38	
Blower Inlet-4	7/10/2018 13:00	4.2	12.4	6.1	77.3	NA	-18.3	48	
Blower Inlet-4	7/27/2018 11:18	3.7	12.2	6.7	77.4	NA	-17.2	54	
Blower Inlet-4	8/14/2018 10:41	2.2	15.0	4.2	78.6	NA	-13.0	75	
Blower Inlet-4	8/28/2018 12:40	2.4	13.1	6.3	78.8	NA	-15.1	84	
Blower Inlet-4	9/5/2018 10:02	2.8	14.6	5.7	76.9	NA	-15.1	86	
Blower Inlet-4	9/24/2018 14:01	2.5	13.8	6.2	77.5	NA	-14.9	86	
Blower Inlet-4	10/11/2018 13:50	2.5	13.4	6.4	77.7	NA	-15.1	92	
Blower Inlet-4	10/29/2018 13:05	2.7	14.9	6.1	76.3	NA	-14.3	87	
Blower Inlet-4	11/8/2018 15:25	2.6	14.7	6.6	76.1	NA	-14.1	81	
Blower Inlet-4	11/14/2018 14:40	2.6	14.7	6.6	76.1	NA	-14.4	83	
Blower Inlet-4	12/7/2018 12:43	1.9	15.5	6.0	76.6	NA	-19.0	51	
Blower Inlet-4	12/18/2018 12:56	0.7	14.3	7.8	77.2	NA	-23.5	42	
Blower Inlet-6	1/9/2018 12:41	1.3	5.8	13.1	79.8	NA	-10.6	0	
Blower Inlet-6	1/26/2018 11:19	3.9	5.8	14.4	75.9	NA	-12.6	0	
Blower Inlet-6	2/8/2018 12:27	0.2	0.4	20.6	78.8	NA	-12.5	0	
Blower Inlet-6	2/22/2018 15:33	9.1	8.2	11.6	71.1	NA	-10.7	0	
Blower Inlet-6	3/8/2018 12:52	5.7	6.0	14.4	73.9	NA	-10.3	0	



Table 3. LFG Sample Port and Blower Vent Station Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

Name	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	VOC (PPM)	Init Static Pressure ("H2O)	Init Flow (scfm)	Comments
Blower Inlet-6	3/15/2018 12:56	4.9	5.5	14.0	75.6	NA	-8.8	49	
Blower Inlet-6	4/10/2018 13:20	2.4	5.6	12.4	79.6	NA	-12.4	5	
Blower Inlet-6	4/27/2018 13:36	1.7	5.5	15.1	77.7	NA	-24.4	108	
Blower Inlet-6	5/18/2018 12:56	1.1	5.3	14.6	79.0	NA	-21.6	118	
Blower Inlet-6	5/30/2018 12:53	1.3	5.0	14.7	79.0	NA	-20.1	121	
Blower Inlet-6	6/12/2018 13:38	2.3	7.9	10.9	78.9	NA	-19.7	123	
Blower Inlet-6	6/26/2018 13:00	2.2	8.5	10.7	78.6	NA	-19.7	125	
Blower Inlet-6	7/10/2018 13:02	2.1	8.6	10.0	79.3	NA	-18.2	124	
Blower Inlet-6	7/27/2018 11:21	2.2	9.2	9.5	79.1	NA	-16.9	123	
Blower Inlet-6	8/14/2018 10:43	1.9	9.8	9.2	79.1	NA	-12.9	125	
Blower Inlet-6	8/28/2018 20:42	2.0	9.7	9.5	78.8	NA	-15.0	114	
Blower Inlet-6	9/5/2018 10:05	2.5	11.0	8.9	77.6	NA	-15.1	118	
Blower Inlet-6	9/24/2018 14:20	1.4	10.1	9.9	78.6	NA	-14.8	118	
Blower Inlet-6	10/11/2018 13:53	2.2	10.5	9.5	77.8	NA	-15.0	116	
Blower Inlet-6	10/29/2018 13:03	2.6	11.4	8.8	77.2	NA	-14.2	110	
Blower Inlet-6	11/8/2018 15:28	2.0	10.6	10.1	77.3	NA	-13.9	85	
Blower Inlet-6	11/14/2018 14:43	2.1	10.6	10.1	77.2	NA	-14.4	74	
Blower Inlet-6	12/7/2018 12:45	2.1	10.6	9.8	77.5	NA	-19.1	70	
Blower Inlet-6	12/18/2018 12:59	1.8	9.4	10.4	78.4	NA	-23.4	54	
Carbon Inlet	1/9/2018 12:44	1.8	7.4	10.7	80.1	12.7	0.0	0	
Carbon Inlet	1/26/2018 11:21	4.7	7.9	12.0	75.4	12.5	0.3	0	
Carbon Inlet	2/8/2018 12:30	5.3	8.7	9.7	76.3	15.2	0.2	0	
Carbon Inlet	2/22/2018 15:36	11.3	10.6	9.1	69.0	32.0	2.6	12	
Carbon Inlet	3/8/2018 12:56	12.1	10.8	8.3	68.8	33.0	0.0	11	
Carbon Inlet	3/15/2018 12:59	11.6	10.5	7.8	70.1	19.3	4.1	67	
Carbon Inlet	4/10/2018 13:22	3.1	7.4	10.2	79.3	20.7	0.4	5	
Carbon Inlet	4/27/2018 13:38	4.7	10.1	9.8	75.4	28.1	12.3	141	
Carbon Inlet	5/18/2018 12:58	2.6	8.7	10.8	77.9	22.4	14.5	150	
Carbon Inlet	5/30/2018 12:55	2.8	8.3	10.6	78.3	31.4	15.7	159	



Table 3. LFG Sample Port and Blower Vent Station Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

Name	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	VOC (PPM)	Init Static Pressure ("H2O)	Init Flow (scfm)	Comments
Carbon Inlet	6/12/2018 13:39	2.9	8.6	10.1	78.4	29.6	16.0	161	
Carbon Inlet	6/26/2018 13:03	2.8	9.3	9.9	78.0	31.3	16.1	163	
Carbon Inlet	7/10/2018 13:04	2.6	9.4	9.1	78.9	32.4	17.1	172	
Carbon Inlet	7/27/2018 11:25	2.6	10.1	8.7	78.6	38.6	17.7	177	
Carbon Inlet	8/14/2018 10:46	2.0	11.4	7.7	78.6	47.5	21.1	200	
Carbon Inlet	8/28/2018 10:46	2.2	11.4	8.4	78.4	41.0	21.1	198	
Carbon Inlet	9/5/2018 10:09	2.6	12.3	7.7	77.4	43.6	19.4	204	
Carbon Inlet	9/24/2018 14:22	2.0	11.5	8.3	78.2	44.3	20.2	204	
Carbon Inlet	10/11/2018 14:59	1.7	11.7	8.0	78.6	31.3	22.1	208	
Carbon Inlet	10/11/2018 15:50	NT	NT	NT	NT	31.3	NT	NA	Carbon Drum Replacement
Carbon Inlet	10/29/2018 13:10	2.6	12.8	7.8	76.8	32.4	22.0	197	
Carbon Inlet	11/8/2018 15:33	2.2	12.1	8.9	76.8	33.6	22.7	166	
Carbon Inlet	11/14/2018 14:47	2.2	12.1	8.8	76.9	35.7	22.4	157	
Carbon Inlet	12/7/2018 12:48	2.1	12.0	8.7	77.2	60.1	18.8	121	
Carbon Inlet	12/18/2018 13:01	1.5	11.0	9.8	77.7	21.9	14.5	96	
Carbon Middle	1/9/2018 12:46	1.8	7.5	10.6	80.1	1.0	0.0	NA	
Carbon Middle	1/26/2018 11:24	4.7	7.8	12.1	75.4	1.1	0.0	NA	
Carbon Middle	2/8/2018 12:32	5.2	8.4	9.9	76.5	0.7	-0.1	NA	
Carbon Middle	2/22/2018 15:38	11.3	10.6	9.1	69.0	0.0	1.8	NA	
Carbon Middle	3/8/2018 12:58	12.1	11.0	8.1	68.8	1.0	1.5	NA	
Carbon Middle	3/15/2018 13:01	11.6	11.2	7.8	69.4	4.0	2.6	NA	
Carbon Middle	4/10/2018 13:23	3.1	7.5	10.1	79.3	3.1	0.2	NA	
Carbon Middle	4/27/2018 13:39	4.7	10.1	9.9	75.3	2.7	8.0	NA	
Carbon Middle	5/18/2018 13:00	2.6	8.7	10.8	77.9	2.9	9.3	NA	
Carbon Middle	5/30/2018 12:57	2.8	8.4	10.4	78.4	4.4	9.9	NA	
Carbon Middle	6/12/2018 13:41	2.9	8.6	10.1	78.4	3.8	10.0	NA	
Carbon Middle	6/26/2018 13:05	2.8	9.3	9.9	78.0	4.1	10.0	NA	
Carbon Middle	7/10/2018 13:06	2.6	9.5	9.1	78.8	4.7	10.8	NA	
Carbon Middle	7/27/2018 11:27	2.6	10.0	8.7	78.7	7.9	11.0	NA	



Table 3. LFG Sample Port and Blower Vent Station Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

Name	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	VOC (PPM)	Init Static Pressure ("H2O)	Init Flow (scfm)	Comments
Carbon Middle	8/14/2018 10:47	2.0	11.4	7.7	78.9	5.8	13.1	NA	
Carbon Middle	8/28/2018 12:46	2.2	11.0	8.4	78.4	6.1	12.1	NA	
Carbon Middle	9/5/2018 10:11	2.6	12.2	7.7	77.5	9.7	11.64	NA	
Carbon Middle	9/24/2018 14:23	2.2	11.9	8.2	77.7	14.5	12.02	NA	
Carbon Middle	10/11/2018 15:01	1.9	12.7	7.7	77.7	24.1	12.18	NA	
Carbon Middle	10/11/2018 3:50	NT	NT	NT	NT	1.3	NT	NA	Carbon Drum Replacement
Carbon Middle	10/29/2018 13:13	2.6	12.8	7.8	76.8	2.4	12.24	NA	
Carbon Middle	11/8/2018 15:36	2.2	12.1	8.9	76.8	3.3	12.59	NA	
Carbon Middle	11/14/2018 14:49	2.2	12.2	8.8	76.8	3.5	12.60	NA	
Carbon Middle	12/7/2018 12:51	2.1	12.1	8.8	77.0	3.8	10.79	NA	
Carbon Middle	12/18/2018 13:03	1.5	11.1	9.8	77.6	1.9	7.76	NA	
Carbon Outlet	1/9/2018 12:50	1.7	7.7	10.6	80.0	0.0	0.01	NA	
Carbon Outlet	1/26/2018 11:26	4.7	7.9	12.1	75.3	0.0	0.00	NA	
Carbon Outlet	2/8/2018 12:35	4.9	7.8	10.1	77.2	0.0	-0.09	NA	
Carbon Outlet	2/22/2018 15:40	11.3	10.6	9.1	69.0	0.0	0.77	NA	
Carbon Outlet	3/8/2018 12:59	12.2	11.1	8.2	68.5	0.0	0.70	NA	
Carbon Outlet	3/15/2018 13:03	11.5	11.1	7.8	69.6	0.0	1.18	NA	
Carbon Outlet	4/10/2018 13:24	3.1	7.6	10.1	79.2	0.0	0.03	NA	
Carbon Outlet	4/27/2018 13:41	4.7	10.1	9.7	75.5	0.0	3.49	NA	
Carbon Outlet	5/18/2018 13:01	2.6	8.7	10.8	77.9	0.0	4.03	NA	
Carbon Outlet	5/30/2018 12:59	2.8	8.3	10.4	78.5	0.0	4.27	NA	
Carbon Outlet	6/12/2018 13:43	2.9	8.6	10.1	78.4	0.0	4.22	NA	
Carbon Outlet	6/26/2018 13:07	2.7	9.3	9.9	78.1	0.0	4.17	NA	
Carbon Outlet	7/10/2018 13:07	2.7	9.5	9.2	78.6	0.0	4.62	NA	
Carbon Outlet	7/27/2018 11:29	2.6	10.0	8.8	78.6	0.0	4.36	NA	
Carbon Outlet	8/14/2018 10:49	2.0	11.4	7.7	78.9	0.0	5.31	NA	
Carbon Outlet	8/28/2018 12:46	2.2	10.9	8.4	78.5	0.0	4.20	NA	
Carbon Outlet	9/5/2018 10:14	2.7	12.2	7.7	77.4	0.0	3.90	NA	
Carbon Outlet	9/24/2018 14:45	2.4	11.7	8.4	77.5	0.0	3.90	NA	



Table 3. LFG Sample Port and Blower Vent Station Monitoring Results January Through December 2018
Eastgate Area Properties Landfill

Name	Date Time	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	VOC (PPM)	Init Static Pressure ("H2O)	Init Flow (scfm)	Comments
Carbon Outlet	10/11/2018 15:02	2.0	12.8	7.8	77.4	0.0	3.32	NA	
Carbon Outlet	10/11/2018 15:50	NT	NT	NT	NT	0.0	NT	NA	Carbon Drum Replacement
Carbon Outlet	10/29/2018 13:16	2.6	12.8	7.8	76.8	0.0	3.47	NA	
Carbon Outlet	11/8/2018 15:38	2.2	12.1	8.9	76.8	0.0	3.55	NA	
Carbon Outlet	11/14/2018 14:51	2.2	12.1	8.8	76.9	0.0	3.59	NA	
Carbon Outlet	12/7/2018 12:53	2.1	12.0	8.8	77.1	0.0	3.07	NA	
Carbon Outlet	12/18/2018 13:04	1.5	11.1	9.8	77.6	0.0	2.25	NA	

NR=Not Recorded

NT=Not Taken

NA=Not Applicable



**Table 4. LFG Blower Vent Station Operational Runtime Data
January through December 2018
Eastgate Area Properties Landfill**

Month	Manual or Automatic Operation	Total Monthly Runtime (Hours)	Comments
Jan-18	Automatic	310	Operated 31 days for 10 hours each day
Feb-18	Automatic	280	Operated 28 days for 10 hours each day
Mar-18	Automatic	310	Operated 31 days for 10 hours each day
Apr-18	Automatic	300	Operated 30 days for 10 hours each day
May-18	Automatic	310	Operated 31 days for 10 hours each day
Jun-18	Automatic	300	Operated 30 days for 10 hours each day
Jul-18	Automatic	310	Operated 31 days for 10 hours each day
Aug-18	Automatic	310	Operated 31 days for 10 hours each day
Sep-18	Automatic	300	Operated 30 days for 10 hours each day
Oct-18	Automatic	310	Operated 31 days for 10 hours each day
Nov-18	Automatic	300	Operated 30 days for 10 hours each day
Dec-18	Automatic	310	Operated 31 days for 10 hours each day
Total Operational Runtime for 2018:		3650.00	



