

Bridgeton Landfill LLC

August 25, 2015

Mr. Chris Nagel
Missouri Department of Natural Resources
Solid Waste Management Program
1738 East Elm Street
Jefferson City, Missouri 65101

Re: Corrective Action Assessment and Plan – Neck Area and North Quarry,
Bridgeton Landfill, Bridgeton, Missouri
Permit No. 0118912

Dear Mr. Nagel:

Bridgeton Landfill, LLC (“Bridgeton Landfill”) is in receipt of your letter dated August 10, 2015. This response letter is presented in three sections. Section 1 addresses the specific requests of the Missouri Department of Natural Resources (“MDNR”) in their correspondence of August 10, 2015. Section 2 provides an overview of current conditions of the site in the Neck Area and North Quarry, presenting evidence that the subsurface smoldering event (“SSE”) is moving away from the neck and North Quarry and that conditions in the Neck Area and North Quarry are stable. Finally, Section 3 discusses other issues and clarifies factual misstatements made in the August 10, 2015 letter.

Section 1 – Response to Requests for Corrective Action

We have identified the following requested corrective measures by the MDNR and respond to your requests as follows:

- *Within 30 days of this letter, Republic Services shall submit a work plan and schedule identifying a technology or technologies that may be used to halt any potential movement of the South Quarry smoldering fire identified to be occurring in the neck north of the gas interceptor wells. The schedule must identify specifically the time needed for mobilization through project completion, whether required by SWMP or initiated by Bridgeton Landfill.*

Bridgeton Landfill agrees to submit a technical evaluation of a heat extraction line to control temperatures within the Corrective Action Zone (illustrated in **Attachment A**), including the Neck Area, by November 1, 2015. Separately, note that Bridgeton Landfill’s existing heat removal pilot study has successfully removed over one billion

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BTUs of heat from the South Quarry and Neck Area and has recently been expanded to provide even more heat removal.¹

- *Within 30 days of this letter, Bridgeton Landfill shall submit a corrective measures work plan and schedule with a control line specified within the corrective action zone identified in the SWMP's October 7, 2014, letter and, at a minimum, a corrective action measure using inert gas injection as a "hot spot" treatment.*

In addition to the above technical evaluation for a heat extraction line, Bridgeton Landfill agrees to submit a Work Plan by September 9, 2015 for addressing remediation of any potential isolated “hot spots” in the North Quarry. This Work Plan will be based on the proven measures that were previously submitted to the MDNR (including in the November 2014 Corrective Action Plan), including, at a minimum a corrective action measure potentially using inert gas injection as a “hot spot” treatment, to the extent that other actions fail and injection appears to be an appropriate remedy.

- *The SWMP is requiring Republic Services to complete connection of the previously drilled North Quarry GEWs located to the south of the sentry line of North Quarry TMPs to the GCCS.*

Bridgeton Landfill will connect all gas extraction wells located to the south of the “sentry line” of TMPs in the North Quarry, as requested, in order to allow immediate operation should the need arise.

- *Oxygen levels are to be maintained in the North Quarry GEWs at no greater than 1.5% by volume to further reduce the likelihood of oxygen intrusion and creation of an independent fire.*

Bridgeton Landfill historically achieves less than 1.5% oxygen in the North Quarry. Only twice in the last six months, out of over 1,200 readings, has any gas extraction well in the North Quarry exceeded 1.5% oxygen (see data in **Table 1**) during NSPS compliance monitoring. The New Source Performance Standards (“NSPS”), developed under the authority of the Clean Air Act, require that oxygen in landfill gas extraction wells (“GEWs”) be maintained at a level less than 5% by volume. GEWs

¹ Note that Bridgeton Landfill cannot complete a work plan and schedule within 30 days, as requested by MDNR. Instead, Bridgeton Landfill proposes to submit a technical evaluation by November 1, 2015 but the expanded heat removal pilot study will continue to progress in the interim. To the extent that the Department disagrees with this timeline for submittal, Bridgeton Landfill invokes the dispute resolution provisions of Paragraph 47 of the First Agreed Order of Preliminary Injunction.

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in the North Quarry, excluding perimeter extraction wells installed for gas migration purposes, have never exceeded the NSPS standards for oxygen in the last year. Therefore, Bridgeton Landfill agrees set a goal level of 1.5% oxygen while complying with the NSPS reporting and corrective action requirements should the 5% threshold be violated.²

- *To allow for adequate management of the North Quarry, Bridgeton Landfill will need to place survey pins in the North Quarry and along the North Quarry's slopes to assist the SWMP and Bridgeton Landfill in monitoring for any rapid waste reduction that could indicate the presence and/or movement of a subsurface smoldering fire in the North Quarry or the need for additional fill material for stabilization.*

Bridgeton Landfill agrees to place survey pins in the North Quarry by December 1, 2015.

- *Republic Services must submit a work plan and schedule for completion of a cap enhancement project including the abandonment of North Quarry RCPs and connection of the GEWs listed above in the "Connection of Previously Installed North Quarry Gas Controls."*

Bridgeton Landfill agrees to complete a study identifying all inactive RCP structures in the North Quarry and submit a report of findings by October 1, 2015. The study will identify location, construction details, risk of oxygen intrusion and current state and condition to the degree possible. The study will also provide the information needed to develop a subsequent Work Plan for actions that may be reasonably implemented to maintain current conditions in the North Quarry.³

Due to recent drilling and construction activities on the North Quarry, Bridgeton Landfill further plans to conduct seeding, grading and stormwater management improvements as a means of cap enhancements in the North Quarry area. Finally, as

² To the extent the Department disagrees with the NSPS corrective action requirements and seeks stricter thresholds for corrective action requirements and/or reporting requirements than required by NSPS, including requiring corrective action within 14 days of an exceedance of 1.5% oxygen levels, Bridgeton Landfill invokes the dispute resolution provisions of Paragraph 47 of the First Agreed Order of Preliminary Injunction.

³ Due to the need for further investigation of the location and current state of RCP structures in the North Quarry, Bridgeton Landfill cannot commit to abandonment of RCP's in the North Quarry by December 1, 2015. In fact, the additional investigation outlined above may reveal that abandonment is not necessary. However, Bridgeton Landfill will complete their investigation and study by October 1, 2015. To the extent the Department disagrees with this timeline and investigation, Bridgeton Landfill invokes the dispute resolution provisions of Paragraph 47 of the First Agreed Order of Preliminary Injunction.

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noted above, Bridgeton Landfill agrees to connect all previously installed gas extraction wells located to the south of the “sentry line” of TMPs in the North Quarry.

- *With the reduction in available methane and hydrogen for combusting landfill gases, Republic Services will need to ensure Bridgeton Landfill complies with the requirements of the Clean Air Act, Missouri Clean Air Law and Missouri Solid Waste Management Law and implementing regulations with regards to utilization of natural gas as a supplemental fuel.*

Bridgeton Landfill has already completed installation of a supplemental natural gas line to the main flare compound. It is immediately ready to be used should gas constituent levels fall below compliance requirements. Note that, to date, this redundant system has not been necessary as Bridgeton Landfill has achieved all Title V compliance requirements regarding combustible constituent levels at the flares.

Section 2 - Conditions in the North Quarry and Neck Area

While we have agreed to perform the action items as described above, it is clear—based on technical evidence—that the reaction is not moving through the Neck Area and into the North Quarry. Instead, the reaction continues to be contained in the South Quarry and moving away from the Neck Area.

Presence, movement, and intensity of an approaching subsurface reaction are revealed by three main indicators: (1) subsurface temperatures, (2) gas constituents and quality and (3) settlement (due to breakdown of waste in reaction zones). We believe that the entirety of the data, as presented in weekly and monthly reports submitted to the MDNR and posted on the MDNR website, indicate that the reaction has not entered the North Quarry. Each of these indicators is discussed below:

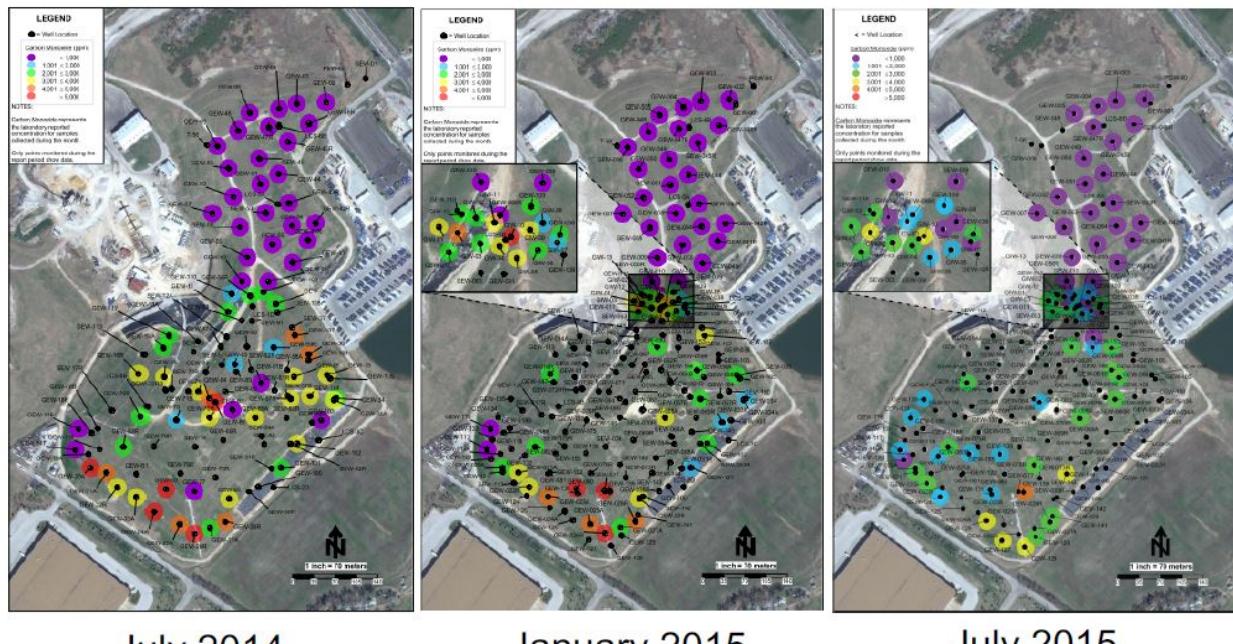
Subsurface Temperatures

Temperature can provide evidence regarding the presence of a subsurface reaction, as the reaction will generate heat. Note that the heat, once generated, can be retained within the well-insulated waste mass and will dissipate slowly. While some of the Temperature Monitoring Probes (TMPs) within the heavily monitored Neck Area have increased over the past 12 months, they have more recently stabilized at a consistent temperature. This stabilized temperature is well below temperatures associated with an active reaction, and is more indicative of the radiant dissipation of heat moving throughout the waste mass. The evidence of stabilized temperatures shows that the northward conduction and convection of residual heat is slowing, likely influenced by heat absorption into the surrounding waste, limestone quarry walls and by the heat removal pilot study, which (although limited in scope) is effectively extracting heat from the area. Temperature Monitoring Probe (TMP) graphs from the South Quarry closest to the neck are presented in **Attachment B**. These graphs show very stable temperatures in the last several months; and temperatures that are well

below those that have been observed in or near active reaction zones. Furthermore, the fact that a limited heat removal pilot study has successfully impacted temperatures in the area suggests that there is no large reaction activity (and thus no large source of heat) present.

Gas Constituents

As the MDNR has previously noted and has required under the site monitoring plans, carbon monoxide (“CO”) can provide an indication of the presence of a reaction. Bridgeton Landfill regularly monitors CO in the north quarry (minimum bi-monthly), the Neck Area (monthly) and the South Quarry (bi-monthly). Carbon monoxide levels are below any MDNR levels of concern in the Neck Area and the North Quarry, and have remained stable for over a year. This is illustrated in **Attachment C** and excerpted below.



Settlement

The detection of accelerated settlement beyond normal levels associated with waste decomposition also provides evidence of a reaction. The volume reduction of waste due to the reaction can create the accelerated settlement. The Bridgeton Landfill monitors settlement in the neck and south quarry monthly, and evidence indicates that the active SSE has moved away from the Neck Area and is currently in the southeast portion of the South Quarry, moving southward and away from the neck and the North Quarry. This movement is clearly represented on the monthly settlement surveys reported to MDNR. Settlement data representative of the last year is summarized and presented graphically in the settlement front drawing comparison included as **Attachment A**, and excerpted below.



In reviewing settlement front data, temperature trends, and gas constituents, it is clear there is no reaction occurring in the North Quarry and the SSE continues to move southward in the South Quarry.

Section 3 – Discussion of Other Issues in August 10, 2015 Letter

Surface Scan Emissions

The June 9, 2015 surface scan emissions report referenced in your letter was anomalous for a number of reasons. Emissions readings were affected by the fact that four North Quarry gas extraction wells were turned off as a precaution during the OU-1 drilling investigation to prevent the potential for oxygen to enter the landfill through air intrusion into the investigation borings. This precautionary step created a local, temporary positive pressure,

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allowing minor gas to seep through the cover for a short time. The previous three surface scan events had no occurrences of methane emissions above the regulatory standard. Also, ten day (June 18, 2015) and thirty day (July 8, 2015) follow-up surface scans were completed and had no occurrences of methane emissions above the regulatory standard. The North Quarry cap and gas collection system are performing extremely well with respect to surface emissions.

Leachate Outbreaks

Your letter refers to three leachate outbreaks observed by the MDNR in June 2015. Such outbreaks can regularly occur at well managed landfills during high-rainfall periods. June 2015 had the highest rainfall (over 13 inches) ever recorded for the month of June in the St. Louis region. Under normal conditions, leachate outbreaks are rare in the North Quarry area, occurring less frequently than at most typical landfills. Note that the facility regularly monitors for leachate outbreaks, as part of the monthly cap integrity inspections, results of which are retained at the facility.

Waste Movement

Bridgeton Landfill does not understand the statement of “movement of waste materials from the “high” North Quarry towards the now “lower” neck area.” Note that monthly settlement monitoring is already performed in the neck. The settlement surveys, submitted monthly to MDNR, show very little to no change in elevation in the Neck Area, and in the absence of settlement in this location, we are not aware of a mechanism that could reasonably support your assessment. Rather, we believe that any changes in the North Quarry area are attributable to normal MSW decomposition, since settlement is expected at a closed landfill. Finally, Bridgeton Landfill also conducts a third party slope stability assessment on a quarterly basis. These assessments have shown no signs of instability in this area.

Clarifications

Finally, we would like to point out that your letter is incorrectly addressed to Republic Services, Inc. Bridgeton Landfill, LLC owns and operates the Bridgeton Landfill facility. In fact, MDNR issued the operating permit to Bridgeton Landfill, LLC. Further, the First Agreed Order of Preliminary Injunction was entered into between the MDNR and Bridgeton Landfill, LLC. Bridgeton Landfill is and has been responsible for the work outlined in the First Agreed Order and the additional requests outlined in your correspondence of August 10, 2015.

Your correspondence also refers to a “fire” occurring in the South Quarry. As we have previously discussed at length, there is no “fire” occurring at the Bridgeton Landfill due to the fundamental lack of oxygen. That terminology is inappropriate and inconsistent with the term “SSE”, a term the State defined and deemed the appropriate term to describe the event that is occurring in the South Quarry and adopted in the First Agreed Order of Preliminary Injunction.

If you need additional information, please contact me at (314) 744-8165.

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Sincerely,



Brian J. Power

Environmental Manager

Bridgeton Landfill, LLC.

Attachments

Attachment A – Corrective Action Zone and Settlement Front Analysis

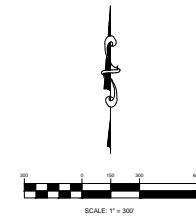
Attachment B – Temperature Monitoring Probe Graphs

Attachment C – Historical Carbon Monoxide Data Map

Table No. 1 North Quarry Landfill Gas Quality Readings

ATTACHMENT A

CORRECTIVE ACTION ZONE AND SETTLEMENT FRONT ANALYSIS



LEGEND

500	TOPOGRAPHY (2' CONTOUR)
	TOPOGRAPHY (10' CONTOUR)
7-14	JULY 15, 2014 SETTLEMENT FRONT
7-15	JULY 15, 2015 SETTLEMENT FRONT
SETTLEMENT FRONT VECTOR BETWEEN ABOVE SURVEY DATES (SEE NOTE BELOW)	
	SOLID WASTE BOUNDARY
	CORRECTIVE ACTION ZONE

GENERAL NOTES:

- 1.) TOPOGRAPHY SHOWN BASED ON PHOTOGRAPHY DATED 2-10-2015.

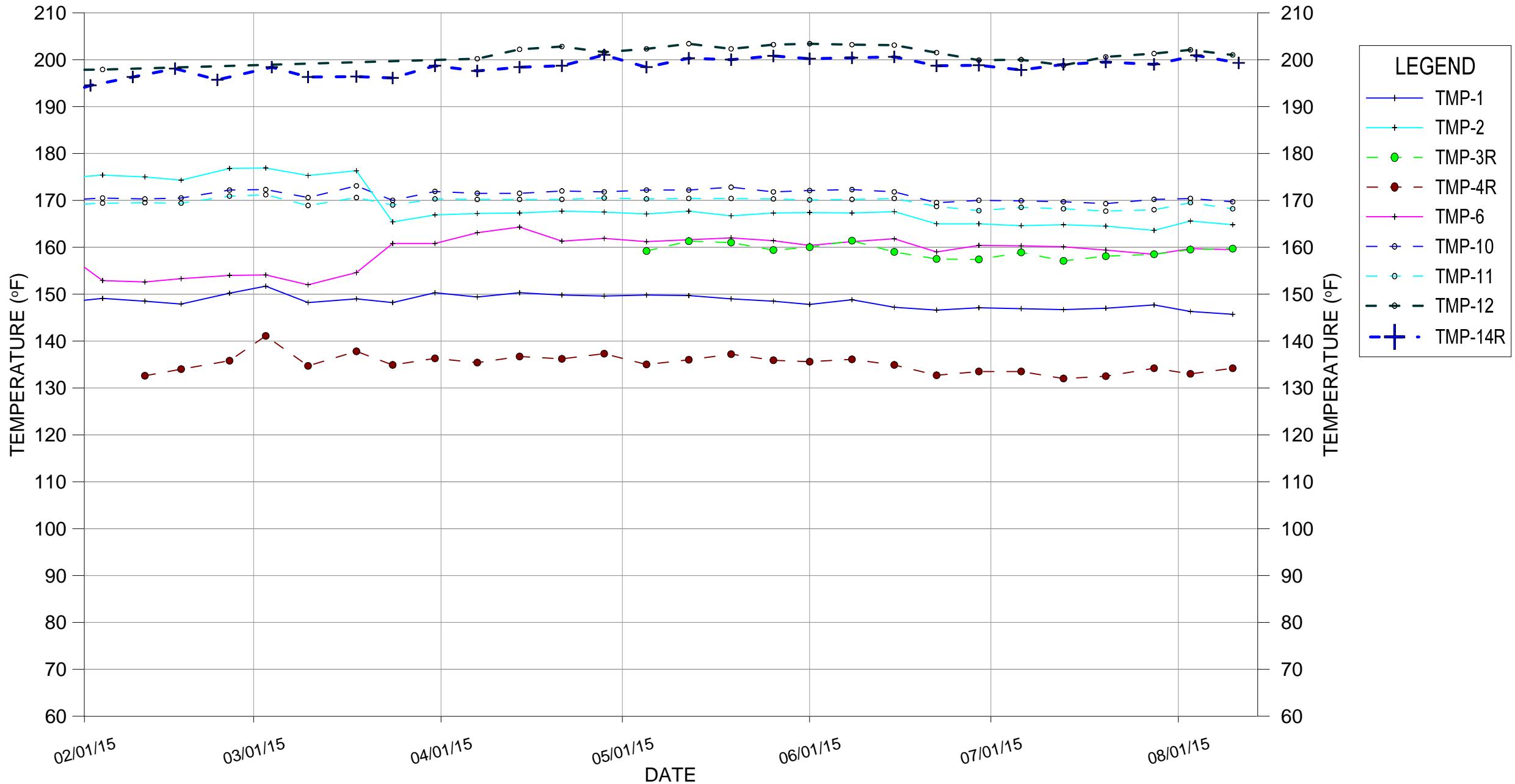
SETTLEMENT NOTES:

- 1.) DRAWING DEPICTS THE LOCATION OF SETTLEMENT ACTIVITY THAT IS 1.35 FT PER 30 DAYS - INDICATIVE OF THE SETTLEMENT FRONT BASED ON THE ANALYSIS OF SURVEY DATA IN 2012.
- 2.) THE SETTLEMENT FRONT VECTOR WAS CREATED BY FIRST CALCULATING THE CENTROID OF THE SETTLEMENT FRONTS (LOCATION OF SETTLEMENT ACTIVITY THAT IS 1.35 FT PER 30 DAYS BASED ON CONVERSION FOR THE SURVEY DATES LISTED IN THE LEGEND ABOVE. THE VECTOR STARTS FROM THE CENTROID OF THE SETTLEMENT FRONT FOR THE OLDER SURVEY DATE AND POINTS IN THE DIRECTION OF THE CENTROID OF THE SETTLEMENT FRONT FOR THE MORE RECENT SURVEY DATE.

ATTACHMENT B

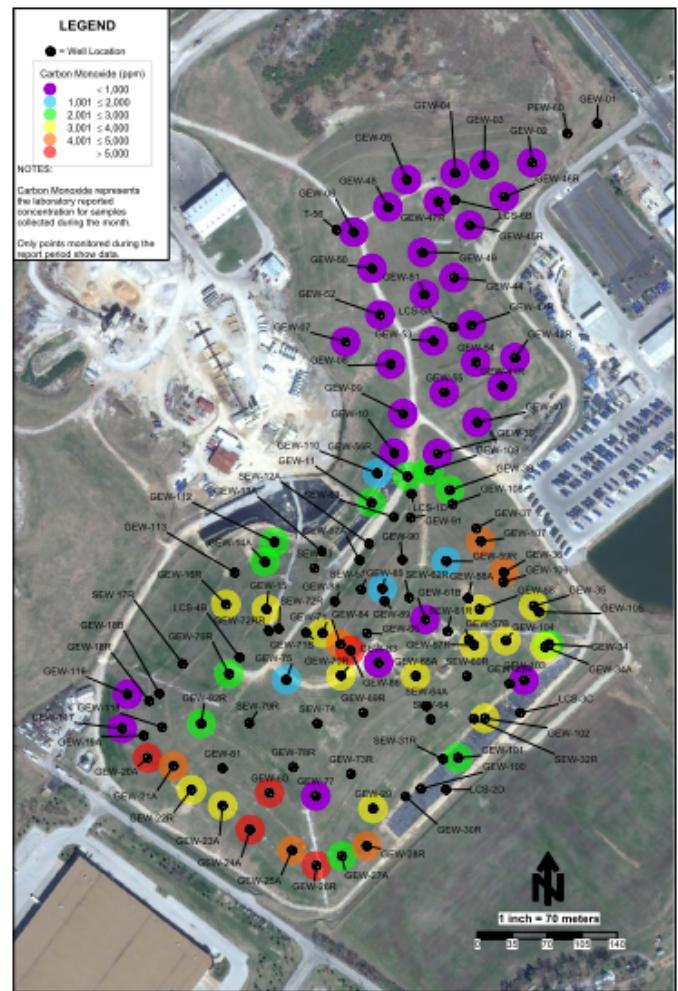
TEMPERATURE MONITORING PROBE GRAPHS

MAXIMUM TEMPERATURES

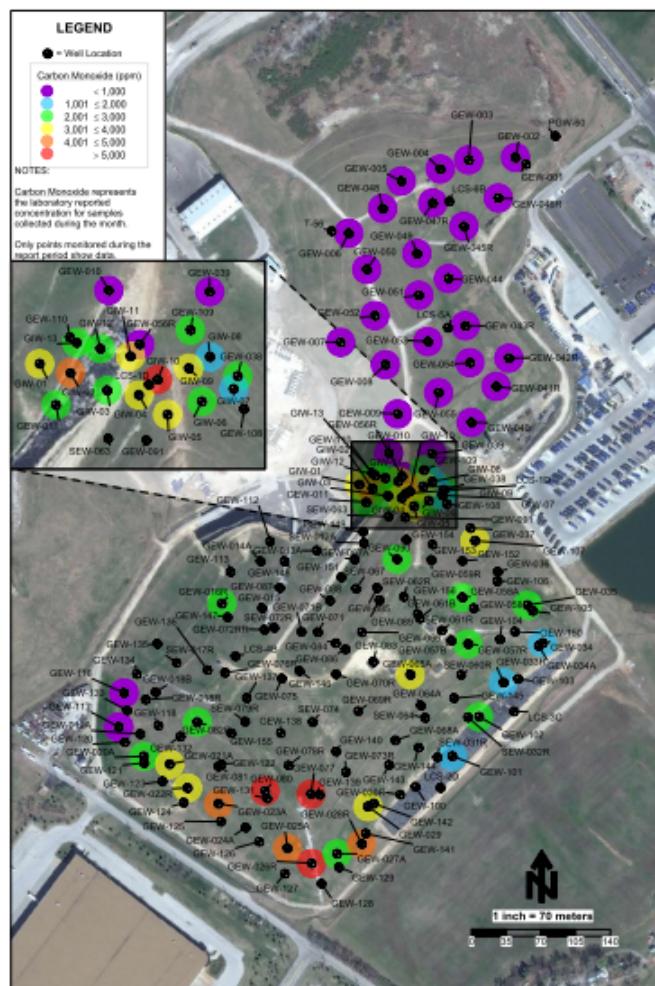


TEMPERATURE VS TIME
BRIDGETON LANDFILL

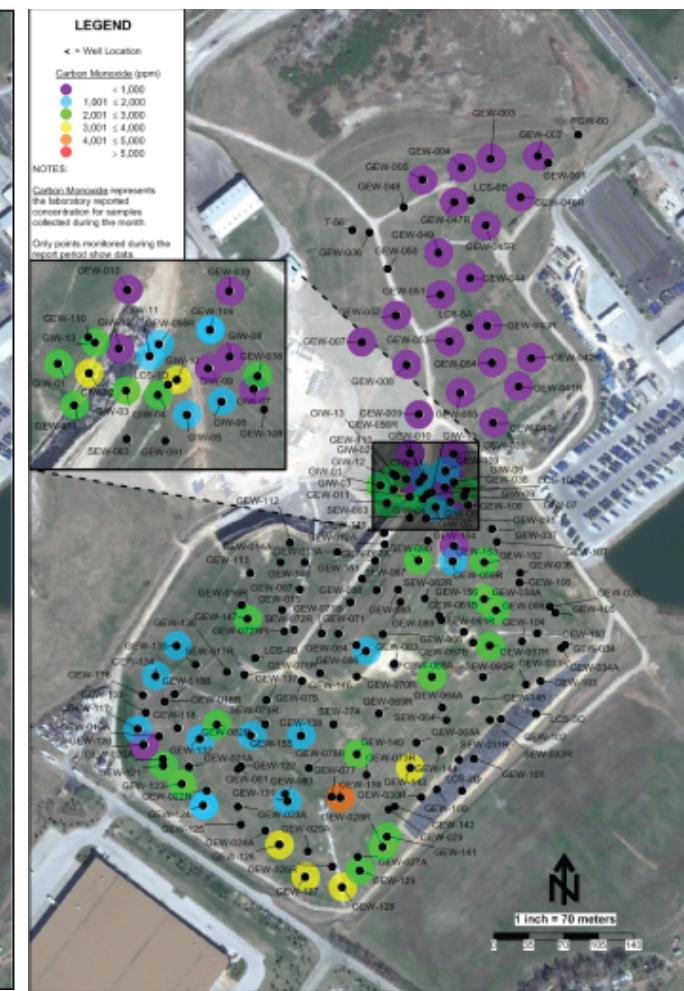
ATTACHMENT C
HISTORICAL CARBON MONOXIDE DATA MAP



July 2014



January 2015



July 2015

Carbon Monoxide Data Map - Bridgeton Landfill

TABLE NO. 1
NORTH QUARRY LANDFILL GAS QUALITY READINGS

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-041R	2/2/2015	50.7	42.6	0	6.7
GEW-041R	2/9/2015	55.5	37.9	0	6.6
GEW-041R	2/13/2015	53.2	39.3	0	7.5
GEW-041R	2/13/2015	53.7	38.8	0	7.5
GEW-041R	2/20/2015	51	42.2	0	6.8
GEW-041R	2/24/2015	51.8	40.4	0	7.8
GEW-041R	2/24/2015	51.9	39.7	0	8.4
GEW-041R	3/2/2015	54.6	39.1	0	6.3
GEW-041R	3/2/2015	54.5	38.8	0	6.7
GEW-041R	3/9/2015	56.3	40.7	0	3
GEW-041R	3/10/2015	55.2	41.8	0	3
GEW-041R	3/10/2015	56.6	41	0	2.4
GEW-041R	3/16/2015	55.5	42.4	0	2.1
GEW-041R	3/16/2015	55.9	41.5	0	2.6
GEW-041R	3/19/2015	52.2	38.6	0	9.2
GEW-041R	3/19/2015	52.5	38.8	0	8.7
GEW-041R	3/27/2015	53.5	41.8	0	4.7
GEW-041R	3/27/2015	55.8	40.8	0	3.4
GEW-041R	4/1/2015	56.2	40.5	0	3.3
GEW-041R	4/10/2015	58.2	38.8	0	3
GEW-041R	4/16/2015	57.8	42.1	0	0.1
GEW-041R	4/16/2015	58	41.9	0	0.1
GEW-041R	4/22/2015	56.5	41.2	0	2.3
GEW-041R	4/29/2015	56	40	0	4
GEW-041R	4/29/2015	55.9	39.8	0	4.3
GEW-041R	5/4/2015	56.4	39.7	0	3.9
GEW-041R	5/4/2015	56.5	40.3	0	3.2
GEW-041R	5/12/2015	57.9	38.6	0	3.5
GEW-041R	5/12/2015	59.1	37.8	0	3.1
GEW-041R	5/19/2015	57.6	42.3	0	0.1
GEW-041R	5/19/2015	56.5	43.4	0	0.1
GEW-041R	5/27/2015	58	41.8	0	0.2
GEW-041R	6/3/2015	55.3	38.7	0	6
GEW-041R	6/8/2015	56.9	42.1	0	1
GEW-041R	6/16/2015	57.6	42.3	0	0.1
GEW-041R	6/24/2015	54.6	38.2	0	7.2
GEW-041R	6/30/2015	56.8	38.7	0	4.5
GEW-041R	7/7/2015	56.6	39.8	0	3.6
GEW-041R	7/9/2015	56.8	40.7	0	2.5
GEW-041R	7/9/2015	57.1	40.4	0	2.5
GEW-041R	7/15/2015	57.9	40	0	2.1
GEW-041R	7/20/2015	57.7	39.3	0	3
GEW-041R	7/28/2015	56.4	38.6	0	5

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-041R	7/30/2015	56.5	39.8	0	3.7
GEW-041R	8/7/2015	57	40.7	0	2.3
GEW-041R	8/7/2015	56.6	41.1	0	2.3
GEW-041R	8/13/2015	57.6	40.4	0	2
GEW-041R	8/18/2015	58.2	40.4	0.1	1.3
GEW-042R	2/9/2015	55.8	39.1	0	5.1
GEW-042R	2/24/2015	56.3	39.7	0	4
GEW-042R	3/2/2015	55.2	38.4	0	6.4
GEW-042R	3/9/2015	56.8	40.5	0	2.7
GEW-042R	3/10/2015	56.3	41.4	0	2.3
GEW-042R	3/10/2015	56.7	40.9	0	2.4
GEW-042R	3/16/2015	55.8	41	0	3.2
GEW-042R	3/16/2015	55.7	41.7	0	2.6
GEW-042R	3/19/2015	52	39.8	0	8.2
GEW-042R	3/19/2015	53.9	39.5	0	6.6
GEW-042R	3/27/2015	54	38.8	0	7.2
GEW-042R	3/27/2015	53.7	39.2	0	7.1
GEW-042R	4/1/2015	55.8	39.5	0	4.7
GEW-042R	4/10/2015	56.6	38	0	5.4
GEW-042R	4/16/2015	57.8	42.1	0	0.1
GEW-042R	4/16/2015	57.8	42.1	0	0.1
GEW-042R	4/22/2015	56.3	40.8	0	2.9
GEW-042R	4/29/2015	56.5	39.8	0	3.7
GEW-042R	4/29/2015	56.6	39.6	0	3.8
GEW-042R	5/4/2015	56.1	39.9	0	4
GEW-042R	5/4/2015	56.1	40.1	0	3.8
GEW-042R	5/12/2015	57.8	38.6	0	3.6
GEW-042R	5/12/2015	59.2	38.1	0	2.7
GEW-042R	5/19/2015	57.2	42.7	0	0.1
GEW-042R	5/19/2015	57.3	42.6	0	0.1
GEW-042R	5/27/2015	58.3	41.6	0	0.1
GEW-042R	6/3/2015	54.7	38.9	0	6.4
GEW-042R	6/3/2015	55	39.5	0	5.5
GEW-042R	6/8/2015	56.1	42.1	0	1.8
GEW-042R	6/16/2015	57.2	42.7	0	0.1
GEW-042R	6/24/2015	53.6	38.7	0	7.7
GEW-042R	6/30/2015	56.4	39.3	0	4.3
GEW-042R	7/7/2015	56.5	39.9	0	3.6
GEW-042R	7/9/2015	56.6	40.7	0	2.7
GEW-042R	7/9/2015	56.6	41.7	0	1.7
GEW-042R	7/15/2015	57.3	40	0	2.7
GEW-042R	7/20/2015	57.5	39.3	0	3.2
GEW-042R	7/28/2015	56.7	38.4	0	4.9

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-042R	7/30/2015	56.8	40	0	3.2
GEW-042R	8/7/2015	56.4	41.2	0	2.4
GEW-042R	8/13/2015	57.2	40.9	0	1.9
GEW-042R	8/13/2015	57.6	40.7	0	1.7
GEW-042R	8/18/2015	57.5	40.6	0.1	1.8
GEW-043R	2/2/2015	51	40.8	0	8.2
GEW-043R	2/2/2015	46.1	38.1	1.8	14
GEW-043R	2/9/2015	57.4	40.6	0	2
GEW-043R	2/13/2015	56.1	41.2	0	2.7
GEW-043R	2/13/2015	56.6	40	0	3.4
GEW-043R	2/20/2015	53.1	41	0	5.9
GEW-043R	2/24/2015	55.2	39.6	0	5.2
GEW-043R	3/2/2015	53.2	40	0	6.8
GEW-043R	3/9/2015	55.1	39.5	0	5.4
GEW-043R	3/12/2015	56.3	43.4	0	0.3
GEW-043R	3/12/2015	57.3	42.1	0	0.6
GEW-043R	3/16/2015	55.3	40.4	0.1	4.2
GEW-043R	3/16/2015	55.1	41.4	0	3.5
GEW-043R	3/19/2015	53	41.9	0	5.1
GEW-043R	3/19/2015	53.2	41.8	0	5
GEW-043R	3/27/2015	55.8	42.1	0	2.1
GEW-043R	3/27/2015	55.4	42.7	0	1.9
GEW-043R	4/1/2015	55.5	41.9	0	2.6
GEW-043R	4/1/2015	54.7	43	0	2.3
GEW-043R	4/10/2015	53	41.4	0	5.6
GEW-043R	4/10/2015	53.5	41.5	0	5
GEW-043R	4/16/2015	55.6	42.8	0	1.6
GEW-043R	4/22/2015	54.6	40.5	0	4.9
GEW-043R	4/22/2015	54.1	42.1	0	3.8
GEW-043R	4/30/2015	56.2	42.4	0	1.4
GEW-043R	5/1/2015	56.4	42.4	0	1.2
GEW-043R	5/1/2015	56.1	42.3	0	1.6
GEW-043R	5/4/2015	55.7	40.4	0	3.9
GEW-043R	5/4/2015	55.1	41.9	0	3
GEW-043R	5/12/2015	56.4	40	0	3.6
GEW-043R	5/12/2015	57	40.2	0	2.8
GEW-043R	5/19/2015	56.6	43.3	0	0.1
GEW-043R	5/19/2015	56.4	43.5	0	0.1
GEW-043R	5/27/2015	57.5	42.4	0	0.1
GEW-043R	6/4/2015	56.4	43.5	0	0.1
GEW-043R	6/8/2015	55.8	44.1	0	0.1
GEW-043R	6/8/2015	55.5	44.4	0	0.1
GEW-043R	6/16/2015	56.2	43.7	0	0.1

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-043R	6/16/2015	56.6	43.3	0	0.1
GEW-043R	6/24/2015	54.5	39.8	0	5.7
GEW-043R	6/30/2015	56.5	40.4	0	3.1
GEW-043R	6/30/2015	56.3	40.8	0	2.9
GEW-043R	7/7/2015	55.7	41	0	3.3
GEW-043R	7/7/2015	55.7	41.3	0	3
GEW-043R	7/9/2015	56	41.1	0	2.9
GEW-043R	7/9/2015	55.7	39.4	0	4.9
GEW-043R	7/15/2015	55.7	41.8	0	2.5
GEW-043R	7/15/2015	55.9	41.7	0	2.4
GEW-043R	7/20/2015	55.9	41	0	3.1
GEW-043R	7/20/2015	56.2	40.9	0	2.9
GEW-043R	7/28/2015	55.4	40.6	0	4
GEW-043R	7/28/2015	55.9	40.6	0	3.5
GEW-043R	7/30/2015	55.7	41.6	0	2.7
GEW-043R	7/30/2015	55.2	42.1	0	2.7
GEW-043R	8/7/2015	55.7	41.5	0	2.8
GEW-043R	8/7/2015	55.8	42.2	0	2
GEW-043R	8/13/2015	56	39.6	0	4.4
GEW-043R	8/13/2015	55.9	41.8	0	2.3
GEW-043R	8/18/2015	56.3	41.5	0.2	2
GEW-045R	2/9/2015	60.2	37.9	0	1.9
GEW-045R	2/25/2015	60.1	38.5	0	1.4
GEW-045R	3/2/2015	59	39.9	0	1.1
GEW-045R	3/9/2015	59.6	38.7	0	1.7
GEW-045R	3/19/2015	60.6	37.6	0	1.8
GEW-045R	3/19/2015	60.2	38.6	0	1.2
GEW-045R	3/27/2015	59.8	39.1	0	1.1
GEW-045R	4/1/2015	59.4	38.1	0	2.5
GEW-045R	4/10/2015	56.7	39.9	0	3.4
GEW-045R	4/16/2015	59.2	40.7	0	0.1
GEW-045R	4/22/2015	58.3	40.2	0	1.5
GEW-045R	4/29/2015	59.3	38.9	0	1.8
GEW-045R	4/29/2015	60.2	38.1	0	1.7
GEW-045R	5/4/2015	58.8	38.7	0	2.5
GEW-045R	5/12/2015	60.3	36.2	0	3.5
GEW-045R	5/12/2015	60.1	34.9	0	5
GEW-045R	5/19/2015	60.4	39.5	0	0.1
GEW-045R	5/19/2015	61	38.9	0	0.1
GEW-045R	5/27/2015	59	40.9	0	0.1
GEW-045R	6/4/2015	56.8	43.1	0	0.1
GEW-045R	6/4/2015	57.3	42.5	0	0.2
GEW-045R	6/8/2015	57	42.9	0	0.1

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-045R	6/16/2015	57	42.9	0	0.1
GEW-045R	6/16/2015	57.1	42.8	0	0.1
GEW-045R	6/24/2015	57	38.5	0	4.5
GEW-045R	6/24/2015	57.5	39.8	0	2.7
GEW-045R	6/30/2015	59.6	38.6	0	1.8
GEW-045R	7/7/2015	58.6	39.7	0	1.7
GEW-045R	7/9/2015	57.3	39.7	0	3
GEW-045R	7/9/2015	57.4	39.1	0	3.5
GEW-045R	7/15/2015	57.6	39.5	0	2.9
GEW-045R	7/20/2015	58.1	38.4	0	3.5
GEW-045R	7/28/2015	57.7	38.1	0	4.2
GEW-045R	7/30/2015	56.6	39.8	0	3.6
GEW-045R	8/7/2015	57.1	39.3	0	3.6
GEW-045R	8/7/2015	56.8	39.7	0	3.5
GEW-045R	8/13/2015	56.8	38.2	0	5
GEW-045R	8/13/2015	58.2	40	0	1.8
GEW-045R	8/18/2015	59.4	38.9	0.1	1.6
GEW-046R	2/9/2015	50.7	36.7	0	12.6
GEW-046R	2/25/2015	54.6	39.9	0	5.5
GEW-046R	2/25/2015	54.5	39.9	0	5.6
GEW-046R	3/2/2015	53.1	38.1	0	8.8
GEW-046R	3/9/2015	54.6	38.5	0	6.9
GEW-046R	3/19/2015	52.3	39.8	0	7.9
GEW-046R	3/27/2015	54.5	38.7	0	6.8
GEW-046R	4/1/2015	55.9	38.7	0	5.4
GEW-046R	4/10/2015	53.3	38.9	0	7.8
GEW-046R	4/10/2015	53.5	39	0	7.5
GEW-046R	4/16/2015	51.5	39.2	0	9.3
GEW-046R	4/22/2015	51.5	38.9	0	9.6
GEW-046R	4/29/2015	52.7	39	0	8.3
GEW-046R	4/29/2015	53	39	0	8
GEW-046R	5/4/2015	52.1	39.3	0	8.6
GEW-046R	5/12/2015	55	37.8	0	7.2
GEW-046R	5/12/2015	55.4	36.1	0	8.5
GEW-046R	5/19/2015	57	42.2	0	0.8
GEW-046R	5/19/2015	57.7	41.4	0	0.9
GEW-046R	5/27/2015	55.9	41.7	0	2.4
GEW-046R	6/4/2015	57.4	42.3	0	0.3
GEW-046R	6/4/2015	57.3	42.3	0	0.4
GEW-046R	6/8/2015	57.2	42.7	0	0.1
GEW-046R	6/16/2015	56.4	42.2	0	1.4
GEW-046R	6/16/2015	57.6	41.5	0	0.9
GEW-046R	6/24/2015	54.5	39.1	0	6.4

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-046R	6/24/2015	55	39.3	0	5.7
GEW-046R	6/30/2015	55.2	38.4	0	6.4
GEW-046R	7/7/2015	51.1	38.8	0	10.1
GEW-046R	7/7/2015	51.6	38.4	0	10
GEW-046R	7/9/2015	53.5	39	0	7.5
GEW-046R	7/9/2015	53.2	37.8	0	9
GEW-046R	7/15/2015	53.5	39.9	0	6.6
GEW-046R	7/20/2015	52.9	38.8	0	8.3
GEW-046R	7/28/2015	51.8	39.2	0	9
GEW-046R	7/28/2015	51.7	39.1	0	9.2
GEW-046R	7/30/2015	52.6	38.6	0	8.8
GEW-046R	8/7/2015	53	40.7	0	6.3
GEW-046R	8/13/2015	53.5	39.7	0	6.8
GEW-046R	8/13/2015	53.7	40.8	0	5.5
GEW-046R	8/18/2015	54.8	40.1	0.2	4.9
GEW-047R	2/9/2015	52.2	37.2	0.4	10.2
GEW-047R	2/25/2015	54.5	41.3	0	4.2
GEW-047R	2/25/2015	54.4	41.8	0	3.8
GEW-047R	3/2/2015	49.9	39.8	0.1	10.2
GEW-047R	3/9/2015	50.3	39.4	0.2	10.1
GEW-047R	3/11/2015	53.2	38.1	0	8.7
GEW-047R	3/11/2015	52.5	39.6	0	7.9
GEW-047R	3/19/2015	47	37.5	0.1	15.4
GEW-047R	3/19/2015	47	36.9	0.1	16
GEW-047R	3/27/2015	46.8	37.5	0.2	15.5
GEW-047R	3/27/2015	46.3	37.8	0.2	15.7
GEW-047R	4/1/2015	54.4	41.4	0	4.2
GEW-047R	4/1/2015	54.9	41.2	0	3.9
GEW-047R	4/10/2015	46.9	37.3	0.2	15.6
GEW-047R	4/16/2015	43	37.7	0	19.3
GEW-047R	4/16/2015	43.9	37.9	0.1	18.1
GEW-047R	4/22/2015	38.8	36.6	0.3	24.3
GEW-047R	4/22/2015	38.9	36.6	0.3	24.2
GEW-047R	4/29/2015	55	41.2	0	3.8
GEW-047R	4/29/2015	55	41.6	0	3.4
GEW-047R	5/4/2015	52.3	40.2	0.1	7.4
GEW-047R	5/12/2015	55	41.7	0	3.3
GEW-047R	5/12/2015	56	38.6	0	5.4
GEW-047R	5/19/2015	54.3	40.7	0	5
GEW-047R	5/19/2015	54.2	39.7	0	6.1
GEW-047R	5/27/2015	38.3	37	0	24.7
GEW-047R	5/27/2015	40.5	37.6	0.2	21.7
GEW-047R	6/3/2015	44.8	37.6	0	17.6

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-047R	6/3/2015	44.2	37.6	0	18.2
GEW-047R	6/10/2015	55.2	41.5	0	3.3
GEW-047R	6/10/2015	55.5	41.6	0	2.9
GEW-047R	6/16/2015	38.2	36.2	0.1	25.5
GEW-047R	6/16/2015	38.8	36.4	0.1	24.7
GEW-047R	6/23/2015	38.9	34.7	0.6	25.8
GEW-047R	6/23/2015	38.7	34.6	0.6	26.1
GEW-047R	6/30/2015	56.7	41.6	0	1.7
GEW-047R	6/30/2015	56.8	41.7	0	1.5
GEW-047R	7/1/2015	56.9	39.8	0	3.3
GEW-047R	7/1/2015	55.7	41.5	0	2.8
GEW-047R	7/7/2015	36.2	34	0.5	29.3
GEW-047R	7/7/2015	38.1	34.3	0.6	27
GEW-047R	7/10/2015	45.4	36.5	0	18.1
GEW-047R	7/10/2015	45.4	36.4	0	18.2
GEW-047R	7/15/2015	53.3	39	0	7.7
GEW-047R	7/15/2015	52.9	39.5	0	7.6
GEW-047R	7/20/2015	47.2	37	0.1	15.7
GEW-047R	7/20/2015	48.4	37	0.1	14.5
GEW-047R	7/28/2015	33.5	32.9	0.6	33
GEW-047R	7/28/2015	34.9	33.7	0.7	30.7
GEW-047R	7/30/2015	41	38.1	0	20.9
GEW-047R	8/7/2015	55.5	42.1	0	2.4
GEW-047R	8/7/2015	55.5	42	0	2.5
GEW-047R	8/13/2015	42.4	36	0.2	21.4
GEW-047R	8/13/2015	42.9	37.2	0.2	19.7
GEW-047R	8/18/2015	49.3	39.2	0	11.5
GEW-047R	8/18/2015	49	38.9	0	12.1
GEW-002	2/9/2015	57.8	39.6	0	2.6
GEW-002	2/25/2015	57.3	40.5	0	2.2
GEW-002	3/2/2015	58.1	39	0	2.9
GEW-002	3/9/2015	57.5	40.5	0	2
GEW-002	3/11/2015	56.2	41	0	2.8
GEW-002	3/11/2015	57.4	39.9	0	2.7
GEW-002	3/19/2015	55.9	39.6	0	4.5
GEW-002	3/19/2015	55.3	40.4	0	4.3
GEW-002	3/27/2015	56.9	40.7	0	2.4
GEW-002	4/1/2015	56.1	41	0	2.9
GEW-002	4/10/2015	56.6	38.5	0	4.9
GEW-002	4/16/2015	53.1	41.1	0	5.8
GEW-002	4/16/2015	52.7	41.5	0	5.8
GEW-002	4/22/2015	55.8	41.6	0	2.6
GEW-002	4/29/2015	55.4	40.3	0	4.3

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-002	4/29/2015	55.5	40.7	0	3.8
GEW-002	5/4/2015	54.8	41.3	0	3.9
GEW-002	5/4/2015	54.7	41.5	0	3.8
GEW-002	5/12/2015	56.1	40.8	0	3.1
GEW-002	5/12/2015	57.8	38.8	0	3.4
GEW-002	5/19/2015	58.4	41.5	0	0.1
GEW-002	5/19/2015	59.2	40.7	0	0.1
GEW-002	5/27/2015	56.6	43.3	0	0.1
GEW-002	6/2/2015	56.1	40.9	0	3
GEW-002	6/2/2015	56.5	40.8	0	2.7
GEW-002	6/10/2015	54.5	39.9	0	5.6
GEW-002	6/10/2015	55.9	40.4	0	3.7
GEW-002	6/16/2015	55.6	44.3	0	0.1
GEW-002	6/16/2015	56	43.9	0	0.1
GEW-002	6/24/2015	56	39.7	0.5	3.8
GEW-002	6/24/2015	55.5	40.4	0.6	3.5
GEW-002	6/30/2015	56	40.9	0	3.1
GEW-002	6/30/2015	56.4	40.5	0	3.1
GEW-002	7/2/2015	56.8	41.8	0	1.4
GEW-002	7/7/2015	56.3	41.2	0	2.5
GEW-002	7/9/2015	54.7	42.6	0	2.7
GEW-002	7/9/2015	54.9	40.9	0	4.2
GEW-002	7/15/2015	55.2	42.4	0	2.4
GEW-002	7/15/2015	54.7	42.5	0	2.8
GEW-002	7/17/2015	55.5	40.6	0	3.9
GEW-002	7/20/2015	56.7	39.8	0	3.5
GEW-002	7/22/2015	56	41.3	0.1	2.6
GEW-002	7/22/2015	55.9	41.5	0.1	2.5
GEW-002	7/24/2015	59.4	40.1	0	0.5
GEW-002	7/24/2015	58.6	40.3	0	1.1
GEW-002	7/28/2015	54.3	39.4	0	6.3
GEW-002	7/28/2015	54.3	40.4	0	5.3
GEW-002	7/30/2015	54.8	39.5	0	5.7
GEW-002	8/7/2015	56	41.8	0	2.2
GEW-002	8/7/2015	56	42	0	2
GEW-002	8/13/2015	56.6	41.1	0	2.3
GEW-002	8/13/2015	56.3	41.9	0	1.8
GEW-002	8/18/2015	59	39.4	0	1.6
GEW-002	8/18/2015	58	40.8	0	1.2
GEW-003	2/9/2015	56.3	40.6	0	3.1
GEW-003	2/25/2015	56.5	41.1	0	2.4
GEW-003	2/25/2015	56	42	0	2
GEW-003	3/2/2015	54.4	39.1	0	6.5

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-003	3/9/2015	54.4	40	0	5.6
GEW-003	3/11/2015	54.2	41.5	0	4.3
GEW-003	3/11/2015	53.5	43.7	0	2.8
GEW-003	3/19/2015	51.6	40	0	8.4
GEW-003	3/19/2015	51.9	39.8	0	8.3
GEW-003	3/27/2015	51.5	40	0	8.5
GEW-003	3/27/2015	51.6	40.1	0	8.3
GEW-003	4/1/2015	53.6	40.6	0	5.8
GEW-003	4/10/2015	54.2	35.5	0	10.3
GEW-003	4/16/2015	46.7	40	0	13.3
GEW-003	4/16/2015	48.2	40	0	11.8
GEW-003	4/22/2015	47.5	38.3	0	14.2
GEW-003	4/22/2015	47.3	39	0	13.7
GEW-003	4/29/2015	50.1	38.7	0	11.2
GEW-003	4/29/2015	50.1	39.6	0	10.3
GEW-003	5/4/2015	49.8	39.2	0	11
GEW-003	5/4/2015	49.9	39.6	0	10.5
GEW-003	5/12/2015	53.4	40.2	0	6.4
GEW-003	5/12/2015	54.2	38.3	0	7.5
GEW-003	5/19/2015	54.2	41.5	0	4.3
GEW-003	5/19/2015	54.2	41.4	0	4.4
GEW-003	5/27/2015	53.4	40.8	0	5.8
GEW-003	6/2/2015	52.6	39.9	0	7.5
GEW-003	6/2/2015	53.2	39.2	0	7.6
GEW-003	6/10/2015	54.6	39.9	0	5.5
GEW-003	6/10/2015	53.2	39.5	0	7.3
GEW-003	6/16/2015	49.5	40.3	0	10.2
GEW-003	6/16/2015	49.8	40.4	0	9.8
GEW-003	6/24/2015	49.1	37.9	0.6	12.4
GEW-003	6/24/2015	48.9	38.6	0.6	11.9
GEW-003	6/30/2015	54.6	39.9	0	5.5
GEW-003	7/7/2015	53.6	39.3	0	7.1
GEW-003	7/9/2015	52.8	40	0	7.2
GEW-003	7/9/2015	52.6	39.8	0	7.6
GEW-003	7/15/2015	54.5	38.9	0	6.6
GEW-003	7/15/2015	54	39.8	0	6.2
GEW-003	7/20/2015	55.3	39.5	0	5.2
GEW-003	7/22/2015	56.7	37.5	0	5.8
GEW-003	7/22/2015	54.5	39.5	0	6
GEW-003	7/28/2015	50.5	38.8	0	10.7
GEW-003	7/28/2015	51.5	38.9	0	9.6
GEW-003	7/30/2015	50.5	39.2	0	10.3
GEW-003	8/7/2015	53.3	40.5	0	6.2

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-003	8/13/2015	53.4	39.5	0.2	6.9
GEW-003	8/13/2015	54.8	40.8	0	4.4
GEW-003	8/18/2015	55.8	41	0	3.2
GEW-003	8/18/2015	55.7	41	0	3.3
GEW-004	2/9/2015	54.3	40.2	0	5.5
GEW-004	2/25/2015	55.4	41.2	0	3.4
GEW-004	2/25/2015	55.7	40.6	0	3.7
GEW-004	3/2/2015	54.1	39.5	0	6.4
GEW-004	3/9/2015	56.4	40.3	0	3.3
GEW-004	3/11/2015	56.1	39.7	0	4.2
GEW-004	3/11/2015	56.5	39.3	0	4.2
GEW-004	3/19/2015	51.4	38.7	0	9.9
GEW-004	3/19/2015	51.5	39.4	0	9.1
GEW-004	3/27/2015	53.4	40.5	0	6.1
GEW-004	3/27/2015	53.1	40.7	0	6.2
GEW-004	4/1/2015	54.9	41.1	0	4
GEW-004	4/1/2015	55.1	41.3	0	3.6
GEW-004	4/10/2015	52.8	37.6	0	9.6
GEW-004	4/16/2015	46.5	39.9	0	13.6
GEW-004	4/16/2015	47.1	39.6	0	13.3
GEW-004	4/22/2015	49.4	40.7	0	9.9
GEW-004	4/22/2015	49.5	40.9	0	9.6
GEW-004	4/29/2015	53	39.9	0.5	6.6
GEW-004	4/29/2015	54.9	40.5	0	4.6
GEW-004	5/4/2015	54.1	40.7	0	5.2
GEW-004	5/12/2015	56.9	39.2	0	3.9
GEW-004	5/12/2015	57.4	39.1	0	3.5
GEW-004	5/19/2015	56.8	42.7	0	0.5
GEW-004	5/19/2015	56.9	41.7	0	1.4
GEW-004	5/27/2015	51.9	41.4	0	6.7
GEW-004	5/27/2015	52.1	41.4	0	6.5
GEW-004	6/2/2015	53.6	39.3	0	7.1
GEW-004	6/2/2015	53.6	40.9	0	5.5
GEW-004	6/3/2015	52.1	39.6	0	8.3
GEW-004	6/3/2015	52.5	39.5	0	8
GEW-004	6/10/2015	55.8	39.9	0	4.3
GEW-004	6/10/2015	55.3	41.4	0	3.3
GEW-004	6/16/2015	45.4	40.4	0	14.2
GEW-004	6/16/2015	45.7	40.3	0	14
GEW-004	6/23/2015	47.3	39	0	13.7
GEW-004	6/23/2015	47.4	38.1	0	14.5
GEW-004	6/30/2015	56	40.4	0	3.6
GEW-004	6/30/2015	56.3	40.7	0	3

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-004	7/2/2015	53.3	38.6	0	8.1
GEW-004	7/2/2015	53	39.7	0	7.3
GEW-004	7/7/2015	50.8	38.4	0	10.8
GEW-004	7/7/2015	50.7	38.7	0	10.6
GEW-004	7/9/2015	52.2	40.2	0	7.6
GEW-004	7/9/2015	53	38.8	0	8.2
GEW-004	7/15/2015	54.4	39.9	0	5.7
GEW-004	7/20/2015	52	38.5	0	9.5
GEW-004	7/20/2015	52.5	38.9	0	8.6
GEW-004	7/28/2015	49.2	37.9	0	12.9
GEW-004	7/28/2015	49.6	38.2	0	12.2
GEW-004	7/30/2015	52.1	40.2	0	7.7
GEW-004	7/30/2015	51.8	40.2	0	8
GEW-004	8/7/2015	54.8	40.8	0	4.4
GEW-004	8/13/2015	52.1	39.4	0	8.5
GEW-004	8/13/2015	52.4	39.7	0	7.9
GEW-004	8/18/2015	54	39.9	0	6.1
GEW-004	8/18/2015	54.1	40.8	0	5.1
GEW-005	2/9/2015	53.9	37.3	0	8.8
GEW-005	2/25/2015	56.1	39.3	0	4.6
GEW-005	2/25/2015	56.6	39.2	0	4.2
GEW-005	3/2/2015	52.4	38.4	0	9.2
GEW-005	3/9/2015	52.2	38.9	0	8.9
GEW-005	3/11/2015	54.5	38.6	0	6.9
GEW-005	3/11/2015	55	37.6	0	7.4
GEW-005	3/19/2015	44.2	36.5	0	19.3
GEW-005	3/19/2015	44.4	35.7	0	19.9
GEW-005	3/27/2015	46	37.1	0	16.9
GEW-005	3/27/2015	46.3	36.8	0	16.9
GEW-005	4/1/2015	55.4	38.6	0	6
GEW-005	4/1/2015	56	39.2	0	4.8
GEW-005	4/10/2015	45.1	35.1	0	19.8
GEW-005	4/16/2015	40	35.4	0	24.6
GEW-005	4/22/2015	38.2	35.6	0	26.2
GEW-005	4/22/2015	38.6	34.9	0	26.5
GEW-005	4/29/2015	52.8	38.9	0	8.3
GEW-005	4/29/2015	53.4	37.9	0	8.7
GEW-005	5/4/2015	51.6	38.8	0	9.6
GEW-005	5/4/2015	51.9	37.6	0	10.5
GEW-005	5/12/2015	55.5	39.9	0	4.6
GEW-005	5/12/2015	56.6	36.5	0	6.9
GEW-005	5/19/2015	57.4	39.9	0	2.7
GEW-005	5/19/2015	56.9	39	0	4.1

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-005	5/27/2015	41.4	36.1	0	22.5
GEW-005	5/27/2015	41.4	35.1	0	23.5
GEW-005	6/3/2015	50.1	34.1	0	15.8
GEW-005	6/3/2015	48.8	34.7	0	16.5
GEW-005	6/3/2015	47.2	36	0	16.8
GEW-005	6/10/2015	55.3	40.7	0	4
GEW-005	6/10/2015	55.3	40.7	0	4
GEW-005	6/16/2015	33.9	34.7	0	31.4
GEW-005	6/16/2015	34.3	33.8	0	31.9
GEW-005	6/23/2015	31.8	32.7	0	35.5
GEW-005	6/23/2015	31.8	32.7	0	35.5
GEW-005	6/30/2015	54.8	40.3	0	4.9
GEW-005	6/30/2015	55	40.1	0	4.9
GEW-005	7/1/2015	55.5	38.9	0	5.6
GEW-005	7/1/2015	54.7	39.7	0	5.6
GEW-005	7/7/2015	34.6	33.3	0	32.1
GEW-005	7/7/2015	34.6	33.2	0	32.2
GEW-005	7/10/2015	41.8	35.5	0	22.7
GEW-005	7/10/2015	42.7	34.1	0	23.2
GEW-005	7/15/2015	53.8	38.5	0	7.7
GEW-005	7/15/2015	53.5	38.9	0	7.6
GEW-005	7/17/2015	56.3	39.1	0.1	4.5
GEW-005	7/17/2015	54.9	38.7	0	6.4
GEW-005	7/20/2015	48	36.1	0	15.9
GEW-005	7/20/2015	47.9	36.2	0	15.9
GEW-005	7/28/2015	35.8	32.4	0	31.8
GEW-005	7/28/2015	35.6	33.2	0	31.2
GEW-005	7/30/2015	40.4	36.6	0	23
GEW-005	8/7/2015	53.2	40.2	0	6.6
GEW-005	8/7/2015	53.3	39.3	0	7.4
GEW-005	8/13/2015	43.6	36.4	0	20
GEW-005	8/13/2015	43.5	36.1	0	20.4
GEW-005	8/18/2015	49.3	37.2	0	13.5
GEW-005	8/18/2015	49.3	37.5	0	13.2
GEW-006	2/9/2015	55.8	38.2	0	6
GEW-006	2/25/2015	58.7	37.7	0	3.6
GEW-006	2/25/2015	57.4	39.3	0	3.3
GEW-006	3/2/2015	52.7	39.4	0	7.9
GEW-006	3/9/2015	54.6	40.8	0	4.6
GEW-006	3/11/2015	56.1	36.7	0	7.2
GEW-006	3/11/2015	56.9	37.2	0	5.9
GEW-006	3/19/2015	52.9	38.5	0	8.6
GEW-006	3/27/2015	52	38.9	0	9.1

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-006	3/27/2015	52.3	38.2	0	9.5
GEW-006	4/1/2015	56.7	39.7	0	3.6
GEW-006	4/1/2015	57.1	39.7	0	3.2
GEW-006	4/10/2015	53.1	36.6	0	10.3
GEW-006	4/16/2015	55.4	40.2	0	4.4
GEW-006	4/22/2015	49.6	37.5	0	12.9
GEW-006	4/22/2015	49.5	38.2	0	12.3
GEW-006	4/29/2015	55.4	38.6	0	6
GEW-006	4/29/2015	55.4	38.5	0	6.1
GEW-006	5/4/2015	53.8	37.6	0	8.6
GEW-006	5/4/2015	53.5	38.6	0	7.9
GEW-006	5/12/2015	56.1	38	0	5.9
GEW-006	5/12/2015	56.9	36.3	0	6.8
GEW-006	5/20/2015	57.5	41.5	0	1
GEW-006	5/27/2015	53.5	38.6	0	7.9
GEW-006	5/27/2015	53.6	38.4	0	8
GEW-006	6/4/2015	59.8	40.1	0	0.1
GEW-006	6/4/2015	59.6	40.3	0	0.1
GEW-006	6/10/2015	57.3	39.3	0	3.4
GEW-006	6/10/2015	58.2	38.6	0	3.2
GEW-006	6/16/2015	52.7	39.3	0	8
GEW-006	6/23/2015	47.2	37.5	0.1	15.2
GEW-006	6/23/2015	46.9	37	0	16.1
GEW-006	6/30/2015	57.4	38.9	0	3.7
GEW-006	6/30/2015	57.1	39	0	3.9
GEW-006	7/1/2015	56.3	38.9	0	4.8
GEW-006	7/1/2015	57.2	38.2	0	4.6
GEW-006	7/7/2015	48.2	36.9	0	14.9
GEW-006	7/7/2015	48	37	0	15
GEW-006	7/15/2015	57.7	37.8	0	4.5
GEW-006	7/15/2015	57.1	39.1	0	3.8
GEW-006	7/17/2015	56.9	38.3	0	4.8
GEW-006	7/17/2015	56.9	38.7	0	4.4
GEW-006	7/20/2015	56.3	38.2	0	5.5
GEW-006	7/20/2015	56.3	38.2	0	5.5
GEW-006	7/28/2015	44.5	35.4	0	20.1
GEW-006	7/28/2015	45.9	36.5	0	17.6
GEW-006	7/30/2015	52.4	39.4	0	8.2
GEW-006	7/30/2015	52.6	39.3	0	8.1
GEW-006	8/7/2015	55.5	39.8	0	4.7
GEW-006	8/13/2015	53.3	37.2	0	9.5
GEW-006	8/18/2015	57.2	36.7	0	6.1
GEW-006	8/18/2015	57.7	38.9	0	3.4

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-007	2/9/2015	57.9	39.1	0	3
GEW-007	2/25/2015	55.6	40.9	0	3.5
GEW-007	2/25/2015	56.3	41.5	0	2.2
GEW-007	3/2/2015	55	40.2	0.6	4.2
GEW-007	3/2/2015	55.3	40.4	0.6	3.7
GEW-007	3/9/2015	58	40.1	0	1.9
GEW-007	3/12/2015	57.6	42.4	0	0
GEW-007	3/12/2015	58.7	41.3	0	0
GEW-007	3/16/2015	56.3	41.5	0	2.2
GEW-007	3/16/2015	56.6	41.3	0	2.1
GEW-007	3/27/2015	57.7	40.1	0	2.2
GEW-007	3/27/2015	57	41.1	0	1.9
GEW-007	4/1/2015	56.3	40.3	0	3.4
GEW-007	4/1/2015	56.4	41.6	0	2
GEW-007	4/10/2015	56.5	39.9	0	3.6
GEW-007	4/10/2015	56.2	41.6	0	2.2
GEW-007	4/16/2015	57	42.9	0	0.1
GEW-007	4/22/2015	56.5	42.4	0	1.1
GEW-007	4/29/2015	56.5	38.8	0	4.7
GEW-007	4/29/2015	56.2	38.9	0	4.9
GEW-007	5/4/2015	55.9	40.6	0	3.5
GEW-007	5/4/2015	55.9	40.8	0	3.3
GEW-007	5/13/2015	57.1	40.3	0	2.6
GEW-007	5/13/2015	57.6	40.3	0	2.1
GEW-007	5/20/2015	57.2	42.7	0	0.1
GEW-007	5/27/2015	57.1	42.8	0	0.1
GEW-007	6/4/2015	57.8	42.1	0	0.1
GEW-007	6/11/2015	56.7	39.8	0	3.5
GEW-007	6/17/2015	58.1	41.8	0	0.1
GEW-007	6/17/2015	57.7	42.1	0	0.2
GEW-007	6/25/2015	56.9	40.5	0.2	2.4
GEW-007	7/7/2015	57.4	40.3	0	2.3
GEW-007	7/9/2015	56.6	42	0.2	1.2
GEW-007	7/9/2015	57.4	40.7	0.2	1.7
GEW-007	7/15/2015	56.4	42	0	1.6
GEW-007	7/20/2015	57.6	39.6	0	2.8
GEW-007	7/28/2015	56.7	39.1	0	4.2
GEW-007	7/28/2015	56.4	39.7	0	3.9
GEW-007	7/30/2015	54.5	42.8	0	2.7
GEW-007	8/7/2015	56.8	40.8	0	2.4
GEW-007	8/13/2015	54.6	41.5	0.1	3.8
GEW-008	2/2/2015	49.7	42.5	0	7.8
GEW-008	2/9/2015	53.9	40.3	0	5.8

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-008	2/14/2015	50.6	42.6	0	6.8
GEW-008	2/14/2015	50	44.4	0	5.6
GEW-008	2/20/2015	50.2	45.4	0	4.4
GEW-008	2/24/2015	51	43.3	0	5.7
GEW-008	2/24/2015	51.1	43.2	0	5.7
GEW-008	3/2/2015	52.4	39.9	0	7.7
GEW-008	3/9/2015	53.4	40.5	0	6.1
GEW-008	3/12/2015	52.3	45.2	0	2.5
GEW-008	3/12/2015	52.5	46.2	0	1.3
GEW-008	3/16/2015	53.3	40.5	0	6.2
GEW-008	3/16/2015	51.3	43.5	0	5.2
GEW-008	3/27/2015	51.7	43	0	5.3
GEW-008	3/27/2015	51.1	43.8	0	5.1
GEW-008	4/1/2015	50.4	42.7	0	6.9
GEW-008	4/1/2015	50.4	43.6	0	6
GEW-008	4/10/2015	53.6	38.3	0	8.1
GEW-008	4/10/2015	53.2	39.2	0	7.6
GEW-008	4/16/2015	52.6	45.6	0	1.8
GEW-008	4/22/2015	52	43.6	0	4.4
GEW-008	4/29/2015	50.4	41.3	0	8.3
GEW-008	4/29/2015	50.2	42.1	0	7.7
GEW-008	5/4/2015	50.2	43	0	6.8
GEW-008	5/4/2015	50.3	43.6	0	6.1
GEW-008	5/13/2015	54.4	38.2	0	7.4
GEW-008	5/13/2015	52.5	40.5	0	7
GEW-008	5/20/2015	53.7	46.2	0	0.1
GEW-008	5/27/2015	53.2	44.5	0	2.3
GEW-008	6/4/2015	52.7	45.9	0	1.4
GEW-008	6/4/2015	54.6	43.9	0	1.5
GEW-008	6/11/2015	51.4	42.6	0	6
GEW-008	6/17/2015	54.1	45.2	0	0.7
GEW-008	6/25/2015	51.6	42.4	0.4	5.6
GEW-008	6/25/2015	50.9	44	0.4	4.7
GEW-008	7/7/2015	51.5	44.6	0	3.9
GEW-008	7/9/2015	50.8	44.8	0.3	4.1
GEW-008	7/9/2015	50.9	43.2	0.2	5.7
GEW-008	7/15/2015	51.3	42.9	0	5.8
GEW-008	7/20/2015	50.7	44.1	0	5.2
GEW-008	7/28/2015	50.1	42.9	0	7
GEW-008	7/28/2015	49.8	43.4	0	6.8
GEW-008	7/30/2015	49.9	44	0	6.1
GEW-008	8/7/2015	50.7	44.1	0	5.2
GEW-008	8/7/2015	50.9	45.4	0	3.7

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-008	8/13/2015	50.6	40.8	0.1	8.5
GEW-008	8/13/2015	50.7	42.2	0.1	7
GEW-009	2/2/2015	48.6	42.4	0	9
GEW-009	2/9/2015	49.5	39.6	0	10.9
GEW-009	2/14/2015	49.3	44.7	0	6
GEW-009	2/14/2015	50	43.8	0	6.2
GEW-009	2/20/2015	47.4	40.8	0	11.8
GEW-009	2/24/2015	48.8	40.2	0	11
GEW-009	2/24/2015	49.3	38.6	0	12.1
GEW-009	3/2/2015	47.7	41.8	0	10.5
GEW-009	3/9/2015	50.1	43.1	0	6.8
GEW-009	3/12/2015	52.3	44.6	0	3.1
GEW-009	3/12/2015	53.6	43.7	0	2.7
GEW-009	3/16/2015	52.3	43.4	0	4.3
GEW-009	3/16/2015	52.4	43.4	0	4.2
GEW-009	3/27/2015	47.1	42.3	0	10.6
GEW-009	3/27/2015	47.5	41.3	0	11.2
GEW-009	4/1/2015	51.3	40.6	0	8.1
GEW-009	4/10/2015	50.7	40.5	0	8.8
GEW-009	4/10/2015	51.6	39.6	0	8.8
GEW-009	4/16/2015	52.3	43.5	0	4.2
GEW-009	4/16/2015	51.9	43.5	0	4.6
GEW-009	4/22/2015	51.2	41.3	0	7.5
GEW-009	4/29/2015	52.2	41.8	0	6
GEW-009	4/29/2015	52.1	41.5	0	6.4
GEW-009	5/4/2015	50.5	42.5	0	7
GEW-009	5/4/2015	50.8	41.6	0	7.6
GEW-009	5/13/2015	51.8	41.3	0	6.9
GEW-009	5/13/2015	52.6	38.6	0	8.8
GEW-009	5/20/2015	54.6	45.3	0	0.1
GEW-009	5/27/2015	51.9	42.5	0	5.6
GEW-009	6/4/2015	52.2	43.3	0	4.5
GEW-009	6/4/2015	52.7	42.2	0	5.1
GEW-009	6/11/2015	51.8	41.3	0	6.9
GEW-009	6/17/2015	53.3	44.1	0	2.6
GEW-009	6/23/2015	55.3	42.9	0	1.8
GEW-009	7/7/2015	52.9	41.3	0	5.8
GEW-009	7/9/2015	53	41.6	0.3	5.1
GEW-009	7/9/2015	53	41.3	0.2	5.5
GEW-009	7/15/2015	53.7	41.2	0	5.1
GEW-009	7/15/2015	53.2	42	0	4.8
GEW-009	7/20/2015	53.6	42.4	0	4
GEW-009	7/20/2015	53.4	42.3	0	4.3

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-009	7/28/2015	45.9	41.4	0	12.7
GEW-009	7/28/2015	45.9	41.1	0	13
GEW-009	7/30/2015	46.3	41.1	0	12.6
GEW-009	7/30/2015	47.1	41.4	0	11.5
GEW-009	8/7/2015	52	43.1	0	4.9
GEW-009	8/13/2015	52.2	41.4	0.1	6.3
GEW-009	8/13/2015	51.4	39.4	0.1	9.1
GEW-040	2/2/2015	52.9	43.4	0	3.7
GEW-040	2/9/2015	51.9	42.8	0.1	5.2
GEW-040	2/13/2015	54	40.3	0	5.7
GEW-040	2/13/2015	53.5	40	0	6.5
GEW-040	2/20/2015	52.8	42.2	0	5
GEW-040	2/24/2015	53.5	43.4	0.1	3
GEW-040	2/24/2015	54.3	41.6	0.1	4
GEW-040	3/2/2015	53.3	45.4	0.1	1.2
GEW-040	3/9/2015	55.6	42.8	0.2	1.4
GEW-040	3/10/2015	55.8	41.1	0.1	3
GEW-040	3/10/2015	55.5	43.2	0	1.3
GEW-040	3/16/2015	53.6	45.2	0	1.2
GEW-040	3/16/2015	53.6	44.2	0	2.2
GEW-040	3/19/2015	54	42.9	0	3.1
GEW-040	3/19/2015	53.4	43.5	0	3.1
GEW-040	3/27/2015	55.9	42.2	0	1.9
GEW-040	4/1/2015	56.5	42.2	0.1	1.2
GEW-040	4/10/2015	55.1	43.8	0	1.1
GEW-040	4/10/2015	55.5	42.2	0	2.3
GEW-040	4/16/2015	56.2	43.7	0	0.1
GEW-040	4/22/2015	55.8	44.2	0	0
GEW-040	4/29/2015	55.8	41.9	0	2.3
GEW-040	5/4/2015	55.8	40.9	0	3.3
GEW-040	5/12/2015	57.4	39.8	0	2.8
GEW-040	5/12/2015	56.9	40	0	3.1
GEW-040	5/19/2015	57	42.6	0.2	0.2
GEW-040	5/27/2015	57.6	42.3	0	0.1
GEW-040	6/3/2015	56.5	39.8	0	3.7
GEW-040	6/3/2015	57.3	40	0	2.7
GEW-040	6/8/2015	55.9	44	0	0.1
GEW-040	6/16/2015	55.7	41.6	0.6	2.1
GEW-040	6/24/2015	57.1	39.5	0	3.4
GEW-040	6/30/2015	57.7	40.9	0	1.4
GEW-040	7/7/2015	57.3	41.4	0	1.3
GEW-040	7/9/2015	57.9	40.9	0	1.2
GEW-040	7/9/2015	57.1	41.9	0	1

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-040	7/15/2015	57.3	40.3	0	2.4
GEW-040	7/20/2015	57.6	41.2	0	1.2
GEW-040	7/28/2015	55.5	40.7	0	3.8
GEW-040	7/30/2015	56.7	40.7	0	2.6
GEW-040	8/7/2015	57.5	41	0	1.5
GEW-040	8/7/2015	56.8	40.7	0	2.5
GEW-040	8/13/2015	57.8	41.1	0	1.1
GEW-040	8/13/2015	58	39.7	0	2.3
GEW-040	8/18/2015	59.3	40.1	0.2	0.4
GEW-044	2/9/2015	46.8	36.1	0	17.1
GEW-044	2/25/2015	51.9	36.3	0	11.8
GEW-044	3/2/2015	39.5	34.3	0	26.2
GEW-044	3/6/2015	47.1	35.9	0	17
GEW-044	3/9/2015	46.1	35.5	0	18.4
GEW-044	3/19/2015	43.7	33.7	0.2	22.4
GEW-044	3/27/2015	45.2	35.8	0	19
GEW-044	4/1/2015	53.7	38	0	8.3
GEW-044	4/10/2015	42.2	34.7	0	23.1
GEW-044	4/16/2015	47.2	37.4	0	15.4
GEW-044	4/22/2015	42.2	35.5	0	22.3
GEW-044	4/29/2015	49	34.6	0	16.4
GEW-044	4/29/2015	48.6	34.8	0	16.6
GEW-044	5/4/2015	49.3	36.5	0	14.2
GEW-044	5/4/2015	49.7	35.5	0	14.8
GEW-044	5/12/2015	53.6	34.1	0	12.3
GEW-044	5/12/2015	53.2	31.8	0	15
GEW-044	5/19/2015	56.6	40.3	0	3.1
GEW-044	5/19/2015	57.4	39.1	0	3.5
GEW-044	5/27/2015	39	34.3	0	26.7
GEW-044	6/4/2015	44.3	35.3	0	20.4
GEW-044	6/8/2015	48.7	36.8	0	14.5
GEW-044	6/16/2015	46.3	37.3	0	16.4
GEW-044	6/24/2015	47	37.1	0	15.9
GEW-044	6/30/2015	55.8	36.5	0	7.7
GEW-044	7/9/2015	49.8	38.4	0	11.8
GEW-044	7/9/2015	51.4	36.3	0	12.3
GEW-044	7/15/2015	52.5	38	0	9.5
GEW-044	7/20/2015	53.2	37.1	0	9.7
GEW-044	7/20/2015	54	36.6	0	9.4
GEW-044	7/28/2015	45.2	35.2	0	19.6
GEW-044	7/28/2015	45.3	35.1	0	19.6
GEW-044	7/30/2015	50.8	37.9	0	11.3
GEW-044	8/7/2015	53.7	39.7	0	6.6

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-044	8/13/2015	51.4	37.7	0	10.9
GEW-044	8/18/2015	54.2	38.3	0.1	7.4
GEW-048	2/9/2015	58.2	40.5	0	1.3
GEW-048	2/25/2015	59.2	37.9	0	2.9
GEW-048	2/25/2015	58.6	38.8	0	2.6
GEW-048	3/2/2015	55.1	37.4	0	7.5
GEW-048	3/9/2015	59	40.7	0	0.3
GEW-048	3/9/2015	57.4	42.6	0	0
GEW-048	3/11/2015	57.4	36.5	0	6.1
GEW-048	3/11/2015	56.3	37.9	0	5.8
GEW-048	3/19/2015	56.6	39.8	0	3.6
GEW-048	3/27/2015	55.8	40.3	0	3.9
GEW-048	3/27/2015	55.5	40.7	0	3.8
GEW-048	4/1/2015	56.6	39.8	0	3.6
GEW-048	4/1/2015	56	40.6	0	3.4
GEW-048	4/10/2015	56.1	37.5	0	6.4
GEW-048	4/16/2015	56.8	41.8	0	1.4
GEW-048	4/22/2015	54.8	40.5	0	4.7
GEW-048	4/29/2015	54.9	39.5	0	5.6
GEW-048	4/29/2015	55.5	38.9	0	5.6
GEW-048	5/4/2015	54.7	39.1	0	6.2
GEW-048	5/12/2015	56	38.3	0	5.7
GEW-048	5/12/2015	56.7	38.6	0	4.7
GEW-048	5/19/2015	58.3	40.8	0	0.9
GEW-048	5/19/2015	57.9	40.6	0	1.5
GEW-048	5/27/2015	55.8	40.5	0	3.7
GEW-048	6/3/2015	54.8	38.6	0	6.6
GEW-048	6/3/2015	54.4	39.3	0	6.3
GEW-048	6/3/2015	53.9	38.7	0	7.4
GEW-048	6/10/2015	55.9	40.5	0	3.6
GEW-048	6/10/2015	55.5	41.3	0	3.2
GEW-048	6/16/2015	54.7	40.9	0	4.4
GEW-048	6/16/2015	54.4	40.5	0	5.1
GEW-048	6/23/2015	50.9	37.6	0	11.5
GEW-048	6/23/2015	50.6	38.4	0	11
GEW-048	6/30/2015	58.3	40.4	0	1.3
GEW-048	6/30/2015	58	40.7	0	1.3
GEW-048	7/1/2015	57.8	39.7	0	2.5
GEW-048	7/1/2015	57.5	40.3	0	2.2
GEW-048	7/7/2015	52.1	39	0	8.9
GEW-048	7/7/2015	52.3	38.7	0	9
GEW-048	7/15/2015	57.6	39.2	0	3.2
GEW-048	7/15/2015	57.4	39.9	0	2.7

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-048	7/17/2015	57.7	39.7	0	2.6
GEW-048	7/17/2015	58.1	39.7	0	2.2
GEW-048	7/20/2015	56.7	38.8	0	4.5
GEW-048	7/20/2015	56.3	39.3	0	4.4
GEW-048	7/28/2015	47.5	37.5	0	15
GEW-048	7/28/2015	50.1	38.4	0	11.5
GEW-048	7/30/2015	55.3	40.4	0	4.3
GEW-048	7/30/2015	55.2	40.4	0	4.4
GEW-048	8/7/2015	55.8	40.2	0	4
GEW-048	8/13/2015	53.1	39.3	0	7.6
GEW-048	8/13/2015	53.5	39.5	0	7
GEW-048	8/18/2015	55.8	39.4	0	4.8
GEW-048	8/18/2015	55.9	39.9	0	4.2
GEW-049	2/9/2015	41.3	38	0	20.7
GEW-049	2/25/2015	57.4	39.7	0	2.9
GEW-049	2/25/2015	56.8	40	0	3.2
GEW-049	3/2/2015	44.8	37.7	0.1	17.4
GEW-049	3/9/2015	46.9	39.7	0	13.4
GEW-049	3/11/2015	49.3	37.1	0	13.6
GEW-049	3/11/2015	50	37.2	0	12.8
GEW-049	3/19/2015	42.9	36	0.2	20.9
GEW-049	3/19/2015	42.6	34.7	0.2	22.5
GEW-049	3/27/2015	38.3	34.6	0	27.1
GEW-049	3/27/2015	38.6	33.6	0	27.8
GEW-049	4/1/2015	55.9	40.6	0	3.5
GEW-049	4/1/2015	55.4	41.3	0	3.3
GEW-049	4/10/2015	40.8	35.2	0.6	23.4
GEW-049	4/10/2015	40.9	34	0.6	24.5
GEW-049	4/16/2015	48.5	38.5	0	13
GEW-049	4/16/2015	49.5	37.5	0	13
GEW-049	4/22/2015	39.4	33	0.3	27.3
GEW-049	4/22/2015	39.5	33.1	0.2	27.2
GEW-049	4/29/2015	48.7	37	0	14.3
GEW-049	4/29/2015	49.2	36.7	0	14.1
GEW-049	5/4/2015	49.1	36.7	0	14.2
GEW-049	5/4/2015	49.1	37.1	0	13.8
GEW-049	5/12/2015	53.7	37.8	0	8.5
GEW-049	5/12/2015	54.5	37.1	0	8.4
GEW-049	5/19/2015	58.5	40.7	0	0.8
GEW-049	5/19/2015	58.7	40.7	0	0.6
GEW-049	5/27/2015	39	34.9	0.4	25.7
GEW-049	5/27/2015	40.9	34.3	0.4	24.4
GEW-049	6/4/2015	45.8	38.1	0	16.1

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-049	6/4/2015	45	37.9	0	17.1
GEW-049	6/10/2015	56.1	38.6	0	5.3
GEW-049	6/10/2015	55.6	39.9	0	4.5
GEW-049	6/17/2015	40.8	36	0	23.2
GEW-049	6/17/2015	40.7	35.5	0	23.8
GEW-049	6/23/2015	23	28.2	0.4	48.4
GEW-049	6/23/2015	22.9	28.4	0.4	48.3
GEW-049	6/30/2015	56.7	40	0	3.3
GEW-049	6/30/2015	56.6	40.3	0	3.1
GEW-049	7/1/2015	55.6	40.5	0	3.9
GEW-049	7/1/2015	55.6	40.8	0	3.6
GEW-049	7/7/2015	38.7	33.7	0.8	26.8
GEW-049	7/7/2015	38.1	33.2	1	27.7
GEW-049	7/10/2015	45.2	37.1	0	17.7
GEW-049	7/10/2015	45.2	37.5	0	17.3
GEW-049	7/15/2015	50.8	38.5	0	10.7
GEW-049	7/15/2015	50.6	38.6	0	10.8
GEW-049	7/17/2015	49.8	37.5	0	12.7
GEW-049	7/20/2015	50.3	37.2	0	12.5
GEW-049	7/28/2015	43	34.6	0.5	21.9
GEW-049	7/28/2015	43.5	36.3	0.4	19.8
GEW-049	7/30/2015	45.2	37.7	0	17.1
GEW-049	8/7/2015	56.5	40.1	0	3.4
GEW-049	8/13/2015	41	36.5	0.1	22.4
GEW-049	8/13/2015	42.1	35.9	0.1	21.9
GEW-049	8/18/2015	56.7	39.2	0	4.1
GEW-049	8/18/2015	57.5	40.1	0	2.4
GEW-050	2/9/2015	57.3	40.4	0	2.3
GEW-050	2/25/2015	57.6	38.1	0	4.3
GEW-050	2/25/2015	57.1	39.7	0	3.2
GEW-050	3/2/2015	56.4	38.2	0	5.4
GEW-050	3/9/2015	56.1	40.6	0	3.3
GEW-050	3/12/2015	60.2	36.8	0	3
GEW-050	3/12/2015	58.1	40	0	1.9
GEW-050	3/19/2015	56.7	38.7	0	4.6
GEW-050	3/27/2015	56.8	39.3	0	3.9
GEW-050	3/27/2015	56	40.5	0	3.5
GEW-050	4/1/2015	57	39.8	0	3.2
GEW-050	4/1/2015	56.3	40.6	0	3.1
GEW-050	4/10/2015	53.8	39.6	0	6.6
GEW-050	4/10/2015	54.1	40.2	0	5.7
GEW-050	4/16/2015	58.3	40.9	0	0.8
GEW-050	4/16/2015	57.1	41.9	0	1

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-050	4/22/2015	53.2	40.1	0	6.7
GEW-050	4/29/2015	55.8	38.3	0	5.9
GEW-050	4/29/2015	55.5	39	0	5.5
GEW-050	5/4/2015	54.6	40.8	0	4.6
GEW-050	5/4/2015	54.6	40.4	0	5
GEW-050	5/12/2015	57.3	39.4	0	3.3
GEW-050	5/12/2015	57.7	36.9	0	5.4
GEW-050	5/20/2015	58.1	41.8	0	0.1
GEW-050	5/27/2015	57.6	39.9	0	2.5
GEW-050	6/4/2015	58.2	41.7	0	0.1
GEW-050	6/11/2015	46.7	31.4	3.9	18
GEW-050	6/11/2015	52.3	36.4	1.3	10
GEW-050	6/17/2015	58	41.9	0	0.1
GEW-050	6/25/2015	57.7	39.4	0.1	2.8
GEW-050	6/30/2015	58.6	38.5	0	2.9
GEW-050	6/30/2015	58	40	0	2
GEW-050	7/2/2015	57.1	39.6	0	3.3
GEW-050	7/2/2015	56.9	39.7	0	3.4
GEW-050	7/7/2015	51.2	37.9	0	10.9
GEW-050	7/7/2015	50.7	38.1	0	11.2
GEW-050	7/15/2015	58.2	38.5	0	3.3
GEW-050	7/15/2015	57.8	39.6	0	2.6
GEW-050	7/17/2015	58.1	38.9	0	3
GEW-050	7/17/2015	57.3	39.6	0	3.1
GEW-050	7/20/2015	57.2	38.3	0	4.5
GEW-050	7/28/2015	48.4	37.3	0	14.3
GEW-050	7/28/2015	48.1	37.6	0	14.3
GEW-050	7/30/2015	51.9	38.9	0	9.2
GEW-050	7/30/2015	52.5	39.1	0	8.4
GEW-050	8/7/2015	55.8	39.2	0	5
GEW-050	8/13/2015	54.7	38	0	7.3
GEW-050	8/18/2015	57.2	40.4	0	2.4
GEW-050	8/18/2015	56.9	40.6	0	2.5
GEW-051	2/9/2015	53.6	43.5	0	2.9
GEW-051	2/25/2015	54.4	40	0	5.6
GEW-051	2/25/2015	54.2	40.7	0	5.1
GEW-051	3/2/2015	53.9	40.9	0	5.2
GEW-051	3/9/2015	55.3	42.4	0	2.3
GEW-051	3/11/2015	56.4	37.3	0.2	6.1
GEW-051	3/11/2015	55.6	39.4	0.1	4.9
GEW-051	3/19/2015	55.9	39.4	0	4.7
GEW-051	3/27/2015	55.5	40.9	0	3.6
GEW-051	3/27/2015	55.1	41.3	0	3.6

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-051	4/1/2015	53.9	40.8	0	5.3
GEW-051	4/1/2015	52.8	42.3	0	4.9
GEW-051	4/10/2015	54.1	41.9	0	4
GEW-051	4/10/2015	54.3	42.1	0	3.6
GEW-051	4/16/2015	55.6	42.5	0	1.9
GEW-051	4/16/2015	55.8	42	0	2.2
GEW-051	4/22/2015	55.7	41.2	0	3.1
GEW-051	4/29/2015	54.4	39.5	0	6.1
GEW-051	5/4/2015	54.4	41.2	0	4.4
GEW-051	5/4/2015	54.7	41.2	0	4.1
GEW-051	5/12/2015	55.3	39.4	0	5.3
GEW-051	5/12/2015	55.4	41.1	0	3.5
GEW-051	5/19/2015	57.2	41.6	0	1.2
GEW-051	5/19/2015	56.8	41.9	0	1.3
GEW-051	5/27/2015	56.7	42.6	0	0.7
GEW-051	5/27/2015	56.4	42.6	0	1
GEW-051	6/4/2015	57.3	42.6	0	0.1
GEW-051	6/10/2015	54.6	40.3	0	5.1
GEW-051	6/17/2015	56.5	42.8	0	0.7
GEW-051	6/25/2015	54.9	41	0.2	3.9
GEW-051	6/25/2015	54.5	41.5	0.2	3.8
GEW-051	6/30/2015	55.9	40.4	0	3.7
GEW-051	7/7/2015	55.9	40.2	0	3.9
GEW-051	7/10/2015	54.7	42	0	3.3
GEW-051	7/10/2015	55.6	40.4	0	4
GEW-051	7/15/2015	54.8	41.1	0	4.1
GEW-051	7/20/2015	55.3	40	0	4.7
GEW-051	7/20/2015	55	40.6	0	4.4
GEW-051	7/28/2015	56	41.3	0	2.7
GEW-051	7/28/2015	55.8	41.2	0	3
GEW-051	7/30/2015	54.4	40.7	0	4.9
GEW-051	8/7/2015	55.4	40.4	0	4.2
GEW-051	8/7/2015	54.9	40.9	0	4.2
GEW-051	8/13/2015	55.4	41.1	0	3.5
GEW-051	8/18/2015	56.8	39.7	0	3.5
GEW-051	8/18/2015	56	41.8	0	2.2
GEW-052	2/9/2015	51.9	39.1	0	9
GEW-052	2/25/2015	54.8	39.7	0	5.5
GEW-052	2/25/2015	55.3	40.5	0	4.2
GEW-052	3/2/2015	53.3	37.6	0	9.1
GEW-052	3/9/2015	52.1	41.7	0	6.2
GEW-052	3/12/2015	53.5	40.3	0	6.2
GEW-052	3/12/2015	53.8	40.8	0	5.4

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-052	3/19/2015	53.6	38.8	0	7.6
GEW-052	3/27/2015	52.2	38.1	0	9.7
GEW-052	3/27/2015	52.3	38.3	0	9.4
GEW-052	4/1/2015	55.2	40.1	0	4.7
GEW-052	4/1/2015	55.6	40.3	0	4.1
GEW-052	4/10/2015	51.5	37.6	0	10.9
GEW-052	4/10/2015	51.4	38.3	0	10.3
GEW-052	4/16/2015	53.7	41	0	5.3
GEW-052	4/16/2015	54.1	40.1	0	5.8
GEW-052	4/22/2015	48.1	37.5	0	14.4
GEW-052	4/22/2015	48.1	37.8	0	14.1
GEW-052	4/29/2015	51.1	37	0	11.9
GEW-052	4/29/2015	50.7	37.5	0	11.8
GEW-052	5/4/2015	49.7	38.7	0	11.6
GEW-052	5/4/2015	49.8	38.4	0	11.8
GEW-052	5/12/2015	53.3	38	0	8.7
GEW-052	5/12/2015	53.9	34.9	0	11.2
GEW-052	5/20/2015	55.3	40.9	0	3.8
GEW-052	5/27/2015	53.9	38.6	0	7.5
GEW-052	5/27/2015	53.7	39.5	0	6.8
GEW-052	6/4/2015	55.6	40.5	0	3.9
GEW-052	6/11/2015	54	37.8	0	8.2
GEW-052	6/17/2015	56.4	40.7	0	2.9
GEW-052	6/17/2015	56	40.7	0	3.3
GEW-052	6/25/2015	55.4	36.6	0.2	7.8
GEW-052	6/25/2015	55.1	39.5	0.2	5.2
GEW-052	6/30/2015	55.1	39.5	0	5.4
GEW-052	7/7/2015	50.7	38.7	0	10.6
GEW-052	7/7/2015	50.9	38.8	0	10.3
GEW-052	7/10/2015	49.5	39.7	0	10.8
GEW-052	7/10/2015	50.5	38.3	0	11.2
GEW-052	7/15/2015	52.2	39.1	0	8.7
GEW-052	7/15/2015	52	39.6	0	8.4
GEW-052	7/17/2015	56.4	39.8	0	3.8
GEW-052	7/17/2015	55.8	40.5	0	3.7
GEW-052	7/20/2015	54.2	38.4	0	7.4
GEW-052	7/20/2015	53.8	39.1	0	7.1
GEW-052	7/28/2015	44.9	38.1	0	17
GEW-052	7/30/2015	46.7	38.4	0	14.9
GEW-052	8/7/2015	56.8	39.7	0	3.5
GEW-052	8/7/2015	56.4	40.3	0	3.3
GEW-052	8/13/2015	52	39.5	0	8.5
GEW-053	2/2/2015	48.7	43.9	0	7.4

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-053	2/9/2015	53	42.4	0	4.6
GEW-053	2/14/2015	50.8	42.5	0	6.7
GEW-053	2/14/2015	50.7	43	0	6.3
GEW-053	2/20/2015	49.5	45.5	0	5
GEW-053	2/20/2015	51.1	42.7	0	6.2
GEW-053	2/24/2015	50.2	41.7	0	8.1
GEW-053	2/24/2015	49.5	43.2	0	7.3
GEW-053	3/2/2015	51.3	40.6	0	8.1
GEW-053	3/2/2015	51.5	41	0	7.5
GEW-053	3/9/2015	51.9	41	0	7.1
GEW-053	3/10/2015	50.7	42.9	0	6.4
GEW-053	3/10/2015	51.3	42.3	0	6.4
GEW-053	3/16/2015	49.7	42.9	0.1	7.3
GEW-053	3/16/2015	49.3	43.1	0.1	7.5
GEW-053	3/19/2015	51.9	39.5	0	8.6
GEW-053	3/19/2015	51.7	41.1	0	7.2
GEW-053	3/27/2015	52.5	40.6	0	6.9
GEW-053	3/27/2015	52.1	41.9	0	6
GEW-053	4/1/2015	51	41.2	0	7.8
GEW-053	4/1/2015	50.3	42.3	0	7.4
GEW-053	4/10/2015	50	43.6	0	6.4
GEW-053	4/10/2015	49.9	43.7	0	6.4
GEW-053	4/16/2015	52.5	41.9	0	5.6
GEW-053	4/16/2015	50.2	44.4	0	5.4
GEW-053	4/22/2015	51.8	42.3	0	5.9
GEW-053	4/22/2015	50.5	43.5	0	6
GEW-053	4/29/2015	48.6	43.6	0	7.8
GEW-053	4/29/2015	48.7	42.4	0	8.9
GEW-053	5/4/2015	49	42.2	0	8.8
GEW-053	5/4/2015	49.1	42.8	0	8.1
GEW-053	5/13/2015	52	40.8	0	7.2
GEW-053	5/13/2015	51	41.2	0	7.8
GEW-053	5/20/2015	51.3	45.9	0	2.8
GEW-053	5/20/2015	51.7	45.6	0	2.7
GEW-053	5/27/2015	51.2	43.7	0	5.1
GEW-053	5/27/2015	51.4	43.2	0	5.4
GEW-053	6/4/2015	51.4	44.8	0	3.8
GEW-053	6/4/2015	51.1	45	0	3.9
GEW-053	6/10/2015	50.1	42	0	7.9
GEW-053	6/10/2015	49.6	43	0	7.4
GEW-053	6/17/2015	52.9	44.4	0	2.7
GEW-053	6/17/2015	51.6	44.7	0	3.7
GEW-053	6/25/2015	50.7	40.5	0.3	8.5

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-053	6/25/2015	50.6	42.3	0.3	6.8
GEW-053	6/30/2015	52.4	41.6	0	6
GEW-053	7/2/2015	52.7	41.8	0.1	5.4
GEW-053	7/2/2015	52.2	42.2	0	5.6
GEW-053	7/7/2015	51.7	41.7	0	6.6
GEW-053	7/7/2015	51.8	41.5	0	6.7
GEW-053	7/10/2015	51.5	43	0	5.5
GEW-053	7/10/2015	52	42.2	0	5.8
GEW-053	7/15/2015	51.7	41.4	0	6.9
GEW-053	7/15/2015	51.3	42.3	0	6.4
GEW-053	7/20/2015	51.8	40.8	0	7.4
GEW-053	7/20/2015	51.8	41.3	0	6.9
GEW-053	7/28/2015	52.6	41.9	0	5.5
GEW-053	7/28/2015	52.5	42	0	5.5
GEW-053	7/30/2015	50.6	40.3	0	9.1
GEW-053	8/7/2015	51.6	41	0	7.4
GEW-053	8/7/2015	51.7	41	0	7.3
GEW-053	8/13/2015	51.3	42.4	0.1	6.2
GEW-053	8/13/2015	51.3	42.4	0.1	6.2
GEW-054	2/2/2015	49.1	43.7	0	7.2
GEW-054	2/2/2015	49.9	43.2	0	6.9
GEW-054	2/9/2015	51.9	43.7	0	4.4
GEW-054	2/9/2015	53.3	43.8	0	2.9
GEW-054	2/11/2015	52.9	46	0	1.1
GEW-054	2/11/2015	52.8	44.5	0	2.7
GEW-054	2/13/2015	52.1	42.3	0	5.6
GEW-054	2/13/2015	53.1	40.7	0	6.2
GEW-054	2/20/2015	52.3	40.9	0	6.8
GEW-054	2/20/2015	53.1	40.3	0	6.6
GEW-054	2/24/2015	51.2	42.3	0	6.5
GEW-054	2/24/2015	51.5	42.8	0	5.7
GEW-054	2/26/2015	55	41	0.2	3.8
GEW-054	2/26/2015	53.9	40.7	0	5.4
GEW-054	3/2/2015	51.3	40.9	0	7.8
GEW-054	3/2/2015	52.4	40.3	0	7.3
GEW-054	3/9/2015	53.6	42.2	0	4.2
GEW-054	3/9/2015	50.7	44.7	0	4.6
GEW-054	3/10/2015	52.9	41.4	0	5.7
GEW-054	3/10/2015	52.7	41.8	0	5.5
GEW-054	3/16/2015	51.7	42.2	0.1	6
GEW-054	3/16/2015	51.5	42.6	0.1	5.8
GEW-054	3/19/2015	52.5	41.6	0	5.9
GEW-054	3/19/2015	52.4	42.2	0	5.4

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-054	3/27/2015	52.9	41.7	0	5.4
GEW-054	3/27/2015	52.5	42.5	0	5
GEW-054	4/1/2015	51.9	41.9	0	6.2
GEW-054	4/1/2015	51.4	42.3	0	6.3
GEW-054	4/10/2015	52.8	41.3	0	5.9
GEW-054	4/10/2015	52.4	43.2	0	4.4
GEW-054	4/16/2015	53.3	43.1	0	3.6
GEW-054	4/16/2015	53	42.9	0	4.1
GEW-054	4/22/2015	51.8	43.6	0	4.6
GEW-054	4/22/2015	51.7	43.8	0	4.5
GEW-054	4/24/2015	51.9	44.3	0	3.8
GEW-054	4/24/2015	52.2	42.6	0	5.2
GEW-054	4/29/2015	52.5	41.1	0	6.4
GEW-054	4/29/2015	52.1	41.1	0	6.8
GEW-054	4/30/2015	52.9	42.6	0	4.5
GEW-054	4/30/2015	52.8	42.6	0	4.6
GEW-054	5/4/2015	51.8	42.4	0	5.8
GEW-054	5/4/2015	51.7	42.3	0	6
GEW-054	5/13/2015	52.1	41.4	0	6.5
GEW-054	5/13/2015	52.1	41.1	0	6.8
GEW-054	5/20/2015	53.7	45.4	0	0.9
GEW-054	5/20/2015	53.4	45.2	0	1.4
GEW-054	5/27/2015	51.9	44.3	0	3.8
GEW-054	5/27/2015	52.2	44.1	0	3.7
GEW-054	6/4/2015	53.7	43.5	0	2.8
GEW-054	6/4/2015	53.2	44	0	2.8
GEW-054	6/10/2015	52	42.2	0	5.8
GEW-054	6/10/2015	52.5	42	0	5.5
GEW-054	6/17/2015	52.8	43.8	0	3.4
GEW-054	6/17/2015	52.2	44	0	3.8
GEW-054	6/25/2015	53.1	41	0.3	5.6
GEW-054	6/25/2015	52.1	42.3	0.3	5.3
GEW-054	6/30/2015	51.6	42.8	0	5.6
GEW-054	6/30/2015	51.7	42.9	0	5.4
GEW-054	7/7/2015	51.4	41.8	0	6.8
GEW-054	7/7/2015	51.1	42.3	0	6.6
GEW-054	7/10/2015	50	43.8	0	6.2
GEW-054	7/10/2015	50.1	43.1	0	6.8
GEW-054	7/15/2015	52.4	41.7	0	5.9
GEW-054	7/15/2015	51.9	42.1	0	6
GEW-054	7/20/2015	51.7	41	0	7.3
GEW-054	7/20/2015	51.6	41.5	0	6.9
GEW-054	7/28/2015	52.6	42	0	5.4

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-054	7/28/2015	52	42.3	0	5.7
GEW-054	7/30/2015	49.7	41.6	0	8.7
GEW-054	8/7/2015	51.3	42.9	0	5.8
GEW-054	8/7/2015	51.2	42.7	0	6.1
GEW-054	8/13/2015	52.8	41.2	0.1	5.9
GEW-054	8/13/2015	52.5	41.9	0.1	5.5
GEW-055	2/2/2015	51.5	43.2	0	5.3
GEW-055	2/9/2015	50.9	43.9	0	5.2
GEW-055	2/14/2015	51	44.5	0	4.5
GEW-055	2/14/2015	51.3	43.6	0	5.1
GEW-055	2/20/2015	51.9	40.2	0	7.9
GEW-055	2/24/2015	51.8	42.2	0	6
GEW-055	2/24/2015	52.2	41.5	0	6.3
GEW-055	3/2/2015	51.6	41.4	0	7
GEW-055	3/9/2015	52.1	44.7	0	3.2
GEW-055	3/10/2015	51.8	43.2	0	5
GEW-055	3/10/2015	52.5	42.2	0	5.3
GEW-055	3/16/2015	52.1	43.6	0	4.3
GEW-055	3/16/2015	52.1	43.2	0	4.7
GEW-055	3/19/2015	52.1	42.5	0	5.4
GEW-055	3/19/2015	52.1	42.7	0	5.2
GEW-055	3/27/2015	52.8	42	0	5.2
GEW-055	3/27/2015	52.7	42.8	0	4.5
GEW-055	4/1/2015	51.8	41.9	0	6.3
GEW-055	4/1/2015	51.5	43	0	5.5
GEW-055	4/10/2015	52.9	42.8	0	4.3
GEW-055	4/10/2015	53.6	41.8	0	4.6
GEW-055	4/16/2015	53	43.8	0	3.2
GEW-055	4/16/2015	53.4	43.3	0	3.3
GEW-055	4/22/2015	53.1	43.6	0	3.3
GEW-055	4/29/2015	52.5	40.6	0	6.9
GEW-055	5/4/2015	52.5	42.1	0	5.4
GEW-055	5/4/2015	52.6	42.3	0	5.1
GEW-055	5/13/2015	53.7	41.6	0	4.7
GEW-055	5/13/2015	54.1	41.1	0	4.8
GEW-055	5/20/2015	54.8	45.1	0	0.1
GEW-055	5/27/2015	53.7	44.4	0	1.9
GEW-055	6/3/2015	53	40.9	0	6.1
GEW-055	6/3/2015	53	42	0	5
GEW-055	6/10/2015	52.8	41.7	0	5.5
GEW-055	6/10/2015	52.3	42.4	0	5.3
GEW-055	6/17/2015	54.6	43.7	0	1.7
GEW-055	6/25/2015	52.5	40.6	0.4	6.5

Table No. 1 North Quarry Landfill Gas Quality Readings

Point Name	Date Time	CH4	CO2	O2	Bal
GEW-055	6/30/2015	52.9	41.9	0	5.2
GEW-055	7/7/2015	53.6	41.6	0	4.8
GEW-055	7/10/2015	54	42.5	0	3.5
GEW-055	7/10/2015	54.4	41.3	0	4.3
GEW-055	7/15/2015	53.5	42.2	0	4.3
GEW-055	7/15/2015	53.9	42	0	4.1
GEW-055	7/20/2015	54.1	41	0	4.9
GEW-055	7/20/2015	54.3	41.4	0	4.3
GEW-055	7/28/2015	54.6	41.2	0	4.2
GEW-055	7/28/2015	54.4	42	0	3.6
GEW-055	7/30/2015	53.7	42.1	0	4.2
GEW-055	8/13/2015	53.3	42.2	0.1	4.4
GEW-055	8/13/2015	53.5	42.4	0.1	4