10-003-00111

DELAWARE SOLID WASTE AUTHORITY

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Chief Operating Officer

January 29, 2018

Mr. Ali Mirzakhalili, P.E.
Air Director
Division of Air Quality
Department of Natural Resources and Environmental Control
State Street Commons
100 West Water Street, Suite 6A
Dover, DE 19904

Submitted Online
To: R3_APD_PERMITS
From: V. Nicole Burkhardt
On: 1/30/2018

Dear Mr. Mirzakhalili:

RE: **AQM-003/00111-RENEWAL 3**
CHERRY ISLAND LANDFILL
2017 ANNUAL REPORT

In compliance with our Title V Permit: AQM-003/00111-Renewal 2(Revision 2) (enforceable January 1, 2017 through July 31, 2017) and AQM-003/00111-Renewal 3 (enforceable August 1, 2017 through December 31, 2017) enclosed are one (1) original and one (1) copy of the Cherry Island Landfill annual certification report for the period January 1, 2017 through December 31, 2017. This document also contains the semi-annual report for July 1, 2017 through December 31, 2017. Please note, the entire permit number does not fit on all of the forms. Therefore AQM-003/00111 should be taken to represent the full permit identification.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete. If you have any questions about any of the information provided please contact Ms. V. Nicole Gallagher Burkhardt at (302) 764-5385.

Yours truly,

Robin M. Roddy, P.E., BCEE
Chief Operating Officer

RMR:um
Attachments

c: R. P. Watson, P.E., BCEE
L.V. Miller, P.E., BCEE
L. K. Baer, P.E., BCEE
V. N. G. Burkhardt, P.E.
B. Klotz (DNREC)
U.S. EPA (R3_APD_Permits@epa.gov)

1128 S. Bradford Street, Dover, Delaware 19904
Phone: (302) 739-5361 Fax: (302) 739-4287
CITIZENS' RESPONSE LINE: 1-800-404-7080 www.dswa.com

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Regulation No. 30 Title V State Operating Program Air Quality Management Section	AQM-1001BB revised

COMPLIANCE CERTIFICATION *Form B* Updated July 1, 2008 For Permits Issued After May 12, 2008 Using New Boilerplate Language	FOR DEPARTMENT USE, ONLY DATE RECEIVED: DATE REVIEWED: REVIEWED BY:

An application for a permit, permit modification, or permit renewal must contain a certification of compliance signed by a *Responsible Official*. This form must be submitted with each application in addition to satisfying the compliance certification requirements of Regulation No. 30 (Title V) State Operating Permits. The Annual Compliance Certification report is due February 1 of each calendar year and covers the reporting period of January 1 through December 31 of the previous calendar year. This form also fulfills the requirement to certify compliance with applicable requirements at the time of the initial application request for a permit and for a significant or minor permit revision request. This form can also be used to certify compliance with the applicable requirements and terms and conditions of the operating permit as part of request for permit renewal.

This form has been designed for permits issued after May 12, 2008 that have new boilerplate language. Note: A limited number of permits issued soon after May 12, 2008 were in-process and contain the older language. If you are uncertain of which Compliance Certification form to use, ask your permitting engineer or scientist.

Part A: FACILITY INFORMATION

1. Facility Name: Cherry Island Landfill
2. Facility Street Address: 1706 E. 12th Street

3. City: Wilmington	4. State: DE	5. Zip Code: 19809

6. Are you submitting: *(check only one box)*

   A. Compliance Certification as part of an Initial Permit Application: ☐
   B. Compliance Certification as part of an Application for Permit Renewal: ☐
   C. Annual Compliance Certification: ☒
   D. Compliance Certification as part of an Application for a Minor or Significant Permit Revision: ☐

7. Permit No.: AQM-003/00111	8. Facility ID No.: 1000300111 (10 digits)	9. Date Permit Issued: 08/01/2017

10. What is the reporting period?	11. Date Form Prepared:
A. Annual Compliance Certification: 01/01/2017 TO 12/31/2017 B. Semi-Annual Report: Submitted using form AQM-1001BB: YES If YES, Indicate the reporting period for the Semi-Annual Report: 07/01/2017 TO 12/31/2017	1/29/2018

12. Technical Contact: V. Nicole Gallagher Burkhardt Title: Landfill Gas Engineer
    Phone No.: (302) 764-5385 ext. Fax No.: (302) 764-5386 E-Mail Address: vngb@dswa.com

Part B: COMPLIANCE STATUS

1. Complete Table 1 – Compliance Status: Indicate the compliance status with respect to the terms and conditions of the Regulation No. 30 (Title V) State Operating Permit.

2. Complete Table 2 – Compliance Status – General Conditions: Indicate the Compliance Status with the General Conditions of the Regulation No. 30 (Title V) State Operating Permit.

3. Has any of the information contained in Items 1 through 5 of Part A and/or Part D, Responsible Official, information changed from that contained in the issued Regulation No. 30 (Title V) State Operating Permit?
   NO
   If YES, submit a request for an administrative permit amendment per the requirements of Regulation No. 30 Section 7(c).

4. Semi-Annual Report: Completion of this section of the form fulfills the obligation of the facility to submit a Semi-Annual Report.

   Complete Table 3, Report of Any Required Monitoring, and complete Table 4, Report of Deviations

   Is the Responsible Official reporting any deviations for the reporting period? YES

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION	AQM-1001BB revised

Part C: ADDITIONAL INFORMATION

1. Does the Company possess any additional information that demonstrates noncompliance with any term or condition of the Regulation No. 30 (Title V) State Operating Permit? NO

   If YES, complete Table 5 – Additional Information

2. Is the Company submitting any attachments with the annual certification report? YES

   If YES, complete Table 6 – Additional Information

Part D: CERTIFICATION BY RESPONSIBLE OFFICIAL

I, the undersigned, hereby certify under penalty of law that I am a Responsible Official and that I have personally examined and am familiar with the information submitted in the document and all of its attachments as to the truth, accuracy, and completeness of this information. I certify based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

I am submitting the Semi-Annual Report with the Annual Compliance Certification: YES
(Note: the Semi-Annual Report is due February 1st for the reporting period July 1st through December 31st and August 1st for the reporting period January 1st through June 30th of each calendar year.)

By signing this form, I certify that I have not changed, altered, or deleted any portions of this form.

Responsible Official Signature: _____

Responsible Official Name: Robin M. Roddy, P.E., BCEE
Responsible Official Title: Chief Opertaing Officer
Phone Number: (302) 739-5361 ext.

Part E: SUBMITTAL INFORMATION

1. The Annual Compliance Certification report is due February 1 of each calendar year.

2. The Annual Compliance Certification should be submitted to the following locations:

Original and one (1) copy:	One (1) copy:
State of Delaware – DNREC Division of Air Quality 655 S Bay Road, Suite 5N Dover, DE 19901 Attention: Director	United States Environmental Protection Agency Associate Director of Enforcement (3AP12) 1650 Arch Street Philadelphia, PA 19103

Annual and Semi-Annual Report Tables

The following Annual and Semi-Annual Report Tables include all Table 1 conditions from Permit: AQM-003/00111-Renewal 2(Revision 2) which was in effect for the reporting period of January 1, 2017 through July 31, 2017. Permit: AQM-003/00111-Renewal 3 was in effect for the reporting period of August 1, 2017 through December 31, 2017.

Most conditions were unchanged in the new Permit. Therefore, unless otherwise marked, these tables demonstrate compliance for the entire annual reporting period of January 1, 2017 through December 31, 2017 or semi-annual reporting period of July 1, 2017 through December 31, 2017 (as applicable) for all conditions listed under both revisions of the Permit. It should be noted that the condition reference numbers and Emission Unit numbers relate to Permit: AQM-003/00111-Renewal 2(Revision 2) which may vary from the condition reference numbers and Emission Unit numbers for Permit: AQM-003/00111-Renewal 3.

Any condition listed in Table 1 or Table 3 which has an asterisk and a shaded background has been changed or removed in the new Permit: AQM-003/00111-Renewal 3. Therefore, compliance with these marked conditions is for the annual reporting period of January 1, 2017 through July 31, 2017 or semi-annual reporting period of July 1, 2017 through July 31, 2017 (as applicable).

Attachments G and H of this report include a supplement to the Annual and Semi-Annual Report Tables (respectively). The conditions listed in Attachments G and H are either newly incorporated or revised in Permit: AQM-003/00111-Renewal 3. Compliance with these conditions is for the reporting period of August 1, 2017 through December 31, 2017.

The above plan was discussed with and approved by DNREC on a phone call held on January 11, 2018.

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
1	Condition 3 -Table 1 (a)(1)(i) The flares shall be operated with no visible emissions as determined by Reference Method 22 (RM 22), except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours.	Monitoring of emissions from flares in accordance with Condition 3 - Table 1 (a)(1)(i).	Continuous
1	Condition 3 - Table 1 (a)(1)(iv)(A) Each portable passive flare shall be used for temporary installation and operation only as odor control device. The passive flares do not in any way relieve the Company of the requirements of Condition 3–Table 1(b), (c) & (d), and cannot be used as a substitute control device.	Record keeping of passive flare use in accordance with Condition 3 - Table 1 (a)(1)(iv)(A).	Continuous
1	Condition 3 - Table 1 (a)(1)(iv)(B) Each portable passive flare assembly shall be tagged with a permanent identification that designates and identifies an individual flare unit. This designation shall be used in all relocation correspondence.	Record keeping of passive flare identification in accordance with Condition 3 - Table 1 (a)(1)(iv)(B).	Continuous
1	Condition 3 - Table 1 (a)(1)(iv)(C) The identification tag shall be of a physical form approved by the Department, such as a welded or riveted plate or engraving.	Record keeping of identification form in accordance with Condition 3 - Table 1 (a)(1)(iv)(C).	Continuous
1	Condition 3 - Table 1 (a)(1)(iv)(D) Each flare unit and connected piping system shall be maintained in proper operating condition.	Monitoring of flare unit condition in accordance with Condition 3 - Table 1 (a)(1)(iv)(D).	Continuous
1	Condition 3 - Table 1 (a)(1)(iv)(E) Each flare unit shall be equipped with a flame arrester to prevent flashback to the landfill.	Record keeping of passive flare flame arrester in accordance with Condition 3 - Table 1 (a)(1)(iv)(E).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
1	Condition 3 - Table 1 (a)(1)(iv)(F) Each flare unit relocation shall be for a period of time not to exceed 180 days unless another time period is submitted to and approved by the Department. Any request to extend that time period shall be submitted to the Department a minimum of 30 days prior to expiration of the 180 days.	Record keeping of passive flare usage in accordance with Condition 3 - Table 1 (a)(1)(iv)(F).	Continuous
1	Condition 3 - Table 1 (a)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Monitoring and record keeping in accordance with Condition 3 - Table 1 (a)(1)(v).	Continuous
1	Condition 3 - Table 1 (a)(1)(vi)(A) The number of hours and days each flare is in use.	Monitoring of passive flare usage in accordance with Condition 3 - Table 1 (a)(1)(vi)(A).	Continuous
1	Condition 3 - Table 1 (a)(1)(vi)(B) The operational limitations of Condition 3–Table 1(a)(1)(iv).	Monitoring and record keeping in accordance with Condition 3 - Table 1 (a)(1)(vi)(B).	Continuous
1	Condition 3 - Table 1 (a)(1)(vii) In addition to that required by Condition 3(b)(1)(ii) of this permit, the owner/operator shall conduct a daily visible emissions observation on passive flares in use Monday - Friday, excluding holidays and weather related closing, for at least ten (10) minutes.	Testing in accordance with Condition 3 - Table 1 (a)(1)(vii).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
1	Condition 3 - Table 1 (a)(1)(ix) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(c)(2) of this permit, the Company shall maintain records of the information monitored in Condition 3 – Table 1(a)(1)(vi).	Record keeping in accordance with Condition 3 - Table 1 (a)(1)(ix).	Continuous
1	Condition 3 - Table 1 (a)(1)(x)(A) A notification to the Department within 24 hours after relocation of flares within or to any DSWA landfill sites. This notification can be made via email or fax which includes the following information:	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A).	Continuous
1	Condition 3 - Table 1 (a)(1)(x)(A)(1) Which flare(s) is (are) being relocated.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(1).	Continuous
1	Condition 3 - Table 1 (a)(1)(x)(A)(2) The site of the relocated flare(s).	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(2).	Continuous
1	Condition 3 - Table 1 (a)(1)(x)(A)(3) The reason for the flare(s) relocation.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(3).	Continuous
1	Condition 3 - Table 1 (a)(1)(x)(A)(4) The date and time the flare(s) was (were) relocated.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(4).	Continuous
1	Condition 3 - Table 1 (a)(1)(x)(A)(5) The intended period of time the flare(s) is(are) proposed for use at that location.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(5).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
1	Condition 3 - Table 1 (a)(1)(x)(B) The Company shall calculate/estimate the emissions from all passive flares used at the site based on actual hours of operation and include this information in the annual emissions inventory report.	Reporting of passive flare emissions in accordance with Condition 3 - Table 1 (a)(1)(x)(B).	Continuous
1	Condition 3 - Table 1 (a)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance shall be based on monitoring, records keeping and reporting requirements of this section.	Record keeping in accordance with Condition 3 - Table 1 (a)(1)(xi).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(i) The flare shall be operated with no visible emissions as determined by Reference Method 22, except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours.	Monitoring of flare visible emissions in accordance with Condition 3 - Table 1 (b)(1)(i).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(A)(1) NOx: A rate of 0.025 pound per million BTU for each Low-NOx enclosed flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(1).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(A)(2) NOx: 11.95 tons per 12-month rolling period for each Low-NOx enclosed Flare, and a total of 23.9 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(2).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(B)(1) CO: A rate of 0.06 pound per million BTU for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(1).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(B)(2) CO: 57.4 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(2).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(C)(1) PM: A rate of 2.3 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(1).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(C)(2) PM: 16 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(2).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(D) NMOC: 0.61 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(D).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(E)(1) SOx: A rate of 19.7 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(1).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(E)(2) SOx: 77 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(2).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(F)(1) HCl: A rate of 0.28 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(1).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(F)(2) HCl: 1.11 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(2).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(A) The flares shall be operated with a flame present at all times and shall be operated at all times when collected landfill gas is routed to the system.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(A).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(B) The flare flame detection device shall be in proper operation whenever the flare is in operation.	Record keeping of flame detection device operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(B).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(C) The owner/operator shall adhere to the flare gas heat content specifications in 40 CFR 60, Subpart A, §60.18(c)(3)(ii) dated 7/1/05 and the flare exit velocity specifications in 40 CFR 60, Subpart A, §60.18(c)(4) dated 7/1/05.	Record keeping of flare gas heat content and exit velocity in accordance with Condition 3 - Table 1 (b)(1)(iii)(C).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(D) Landfill gas flow shall be diverted to the flare system for combustion within one (1) hour of gas compression plant shutdown during normal operating hours and within four (4) hours outside of normal operating hours. Normal operating hours shall mean Monday through Friday, 0700 hours until 1500 hours, excluding holidays and weather-related landfill closings.	Record keeping of response time to shut downs in accordance with Condition 3 - Table 1 (b)(1)(iii)(D).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(E) The flares shall be operated according to the latest startup, shutdown, and malfunction plan (SSMP) during all periods of startup, shutdown, and malfunction.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(E).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(F) All structural and mechanical components of the flare and gas collection and treatment system shall be maintained in proper operating condition.	Record keeping of flare and gas system maintenance in accordance with Condition 3 - Table 1 (b)(1)(iii)(F).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(G) The flare shall have an NMOC destruction efficiency of at least 98%.	Record keeping of NMOC destruction efficiency in accordance with Condition 3 - Table 1 (b)(1)(iii)(G).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(iv)(A) The flares shall be operated in conjunction with the gas collection system to control odors as a top priority.	Monitoring of flare operation to reduce odors in accordance with Condition 3 - Table 1 (b)(1)(iv)(A).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(iv)(B) The total amount of landfill gas burned through ZULE-A and ZULE-B shall be no more than 3,780 MMscf (million standard cubic foot) per 12-month rolling period.	Record keeping of the amount of landfill gas burned through ZULE-A and ZULE-B in accordance with Condition 3 - Table 1 (b)(1)(iv)(B).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(iv)(C) The maximum flow to the each flare shall be no more than 4,500 scfm (standard cubic foot per minute).	Record keeping of flare flow in accordance with Condition 3 - Table 1 (b)(1)(iv)(C).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(iv)(D) The flare shall be operated as per the manufacturer's recommendation. Flare operating parameters shall include but are not limited to flare flow rate, flame temperature and residence time.	Record keeping in accordance with Condition 3 - Table 1 (b)(1)(iv)(D).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(v) Compliance with the standards and limitations will be demonstrated by adherance to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping in accordance with Condition 3 - Table 1 (b)(1)(v).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(A) The owner/operator shall monitor the flare to ensure that it is operated and maintained in conformance with its design.	Monitoring flare operation in accordance with Condition 3 - Table 1 (b)(1)(vi)(A).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(B) The owner/operator shall monitor the presence of a flare pilot flame by using a thermocouple or any other equivalent device to detect the presence of a flame.	Monitoring of flare pilot flame in accordance with Condition 3 - Table 1 (b)(1)(vi)(B).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(C) The owner/operator shall monitor the flare flame monitoring equipment shall be inspected monthly.	Record keeping of flame monitoring equipment inspection in accordance with Condition 3 - Table 1 (b)(1)(vi)(C).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(D) The owner/operator shall monitor the flow rate of landfill gas to the flare each day.	Monitoring gas flow rate in accordance with Condition 3 - Table 1 (b)(1)(vi)(D).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(E) The owner/operator shall monitor the operational standards and limitations of Condition 3–Table 1(b)(1)(iii) & (iv).	Monitoring the operational standards and limitations in accordance with Condition 3 - Table 1 (b)(1)(vi)(E).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(vi)(F) The owner/operator shall monitor compliance with the opacity requirements of Condition 3-Table 1(b)(1)(i) shall be determined once per quarter using RM 22 while flares are in operation from 40 CFR 60, Appendix A, dated 7/1/05. If visual emissions are determined to be in excess of the limitation in Condition 3-Table 1(b)(1)(i), the Company shall take all means necessary to minimize emissions and to operate the flare without visible emissions.	Monitoring the opacity requirements in accordance with Condition 3 - Table 1 (b)(1)(vi)(F).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(G) While in operation, a flow meter shall be used to continuosly monitor and record the gas flow rate to the flare. The owner/operator shall follow all applicable requirements for the landfill outlined by 40 CFR Part 60.756-Monitoring of operations and 40 CFR Part 60.18(c)-General control device requirements (for flares).	Monitoring of flow rates in the flares in accordance with Condition 3 - Table 1 (b)(1)(vi)(G).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(vii)(A) The performance of the flow monitor shall be demonstrated at least once each year by passing the tests given in 40 CFR 60 Appendix B, Performance Specification 6 except for calibration drift.	Testing of flow monitor in accordance with Condition 3 - Table 1 (b)(1)(vii)(A).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(vii)(B) The owner/operator shall notify the Department at least thirty (30) days prior to any flow monitor test to give the Department the opportunity to witness the test.	Testing of flow monitor in accordance with Condition 3 - Table 1 (b)(1)(vii)(B).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(vii)(C) DSWA may use GEM testing and lab sample analysis results to perform calculations referred by Condition 3-Table 1(b)(iii)(C) quarterly basis. The Company shall perform calculations once per calendar year as identified by federal regulation 40 CFR 60, Subpart A, §60.18(f)(3).	Testing in accordance with Condition 3 - Table 1 (b)(1)(vii)(C).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(A) Periods of operation for each flare.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(ix)(A).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(B) Reason flare is not in operation.	Record keeping of reason for flare down time in accordance with Condition 3 - Table 1 (b)(1)(ix)(B).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(C) Daily, monthly and 12-month rolling usage of landfill gas to each flare.	Record keeping of landfill gas usage in accordance with Condition 3 - Table 1 (b)(1)(ix)(C).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ix)(D) RM 22 records.	Record keeping of visible emissions in accordance with Condition 3 - Table 1 (b)(1)(ix)(D).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(E) Inspection and maintenance records of flares including flame and pilot flame monitoring.	Record keeping of inspections and maintenance of flares in accordance with Condition 3 - Table 1 (b)(1)(ix)(E).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ix)(F) The monthly and rolling twelve (12) month total emissions shall be calculated by using landfill gas flow rate to each flare, hours of flare operation , site specific data, stack test results and AP-42 factors as appropriate, and recorded each month in a log for each of the following pollutants: Nitrogen oxides; Carbon monoxide; Particulates Matter; Non-methane organic compounds; Sulfur oxides; and Hydrochloric acid.	Record keeping of emissions totals in accordance with Condition 3 - Table 1 (b)(1)(ix)(F).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(1) The Company shall keep records of the Data showing flame presence;	Record keeping of flame presence in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(1).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(2) The Company shall keep records of the Inspections of flare monitoring equipment;	Record keeping of inspections in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(2).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(3) The Company shall keep records of the Flare velocity and landfill gas BTU content data;	Record keeping of gas velocity and heat content in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(3).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ix)(G)(4) The Company shall keep records of the a statement of qualifications of personnel performing Method 22.	Record keeping of personnel qualifications in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(4).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(5) The Company shall keep records of the Calibration records for all flow meters;	Record keeping of flow meter calibration in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(5).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(6) The Company shall keep records of the Landfill gas test information, including test protocol, raw data and final report; and	Record keeping of gas testing information in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(6).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(7) The Company shall keep records of All parts of the startup, shutdown and malfunction plan, including: The occurrence and duration of each startup, shutdown, or malfunction of operation; The occurrence and duration of each malfunction of the air pollution control and monitoring equipment; All required maintenance performed on the air pollution control and monitoring equipment; Actions taken during period of startup, shutdown, and malfunction (including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation) when such actions are different from the procedures specified in the startup, shutdown, and malfunction plan; and All information necessary to demonstrate compliance with the startup, shutdown, and malfunction plan when actions are consistent with the plan.	Record keeping of SSMP occurrences in accordance with Condition 3 - Table 1 (b)(2)(ix)(G)(7).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(x)(A) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department semi-annual reports of all operational exceedances that contain the value and length of time for exceedance of parameters monitored under Condition 3– Table 1(b)(1)(vi).	Reporting of operational exceedances through semi-annual reports in accordance with Condition 3 - Table 1 (b)(1)(x)(A).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(x)(B) The owner/operator shall report actions within 2 working days, followed by a letter within 7 working days, following actions that are not consistent with the startup, shutdown, or malfunction plan.	Reporting actions inconsistent with SSMP in accordance with Condition 3 - Table 1 (b)(1)(x)(B).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(A) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall use RM22 of Appendix A 40 CFR Part 60 to determine compliance with the visible emissions provision of Condition 3 –Table 1(b)(1)(i).	Record keeping of visible emissions compliance in accordance with Condition 3 - Table 1 (b)(1)(xi)(A).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(B) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall calculate the net heating value of the gas being combusted in the flare using the method specified in 40 CFR Part 60.18(f)(3).	Record keeping of gas net heating value in accordance with Condition 3 - Table 1 (b)(1)(xi)(B).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(C) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall demonstrate compliance with the emission limitations of Condition 3 – Table 1(b)(1)(ii) each month based on the amount of gas combusted, actual NMOC, H2S, and methane concentrations, approved emission factors and good engineering assumptions.	Record keeping of emissions in accordance with Condition 3 - Table 1 (b)(1)(xi)(C).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(D) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall calculate emissions from the flares as identified by Condition 3-Table 1(b)(ix)(F) by the end of each month for the previous month.	Record keeping of emissions in accordance with Condition 3 - Table 1 (b)(1)(xi)(D).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(A) Operate the collection system such that gas is collected from each area, cell, or group of cells in the landfill in which the solid waste has been in place for a period of: 5 years or more if active; or 2 years or more if closed or at final grade.	Record keeping of waste age and gas collection in accordance with Condition 3 - Table 1 (c)(1)(iii)(A).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(B) Operate the collection system to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment.	Record keeping of collection system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(B).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(C) Operate the system such that all collected gases are vented to the gas treatment plant that processes the collected gas for subsequent sale or use and/or to permitted landfill gas flares that are designed and operated in accordance with §60.18	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(C).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(D) Operate the control or treatment system at all times when the collected gas is routed to the system.	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(D).	Continuous

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COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(iii)(E) In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour.	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(E).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(F) The provisions of this permit apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices.	Record keeping of SSM events in accordance with Condition 3 - Table 1 (c)(1)(iii)(F).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(G) The owner/operator shall implement a program to monitor for cover integrity and implement cover repairs as per permit SW-06/01 dated 1/6/06 issued by the Solid and Hazardous Waste Management Branch, DNREC or as the permit is modified or renewed in future.	Monitoring of cover integrity in accordance with Condition 3 - Table 1 (c)(1)(iii)(G).	Continuous

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COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(iii)(H)(1) Operate the collection system with negative pressure at each wellhead except under condition the following conditions: A fire or increased well temperature; Use of geomembrane or synthetic cover, in which case the operator shall develop acceptable pressure limits in the design plan; or A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the Department.	Record keeping of collection system pressure in accordance with Condition 3 - Table 1 (c)(1)(iii)(H)(1).	Intermittent
4	Condition 3 - Table 1 (c)(1)(iii)(H)(2) If a positive pressure exists, action shall be initiated by the Company to correct the exceedance within 5 calendar days, except for the three conditions allowed under paragraph H(1) above. If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards.	Record keeping of pressure exceedances in accordance with Condition 3 - Table 1 (c)(1)(iii)(H)(2).	Intermittent

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COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(iii)(I)(1) Operate each interior wellhead in the collection system with a landfill gas temperature less than 55C and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The Company may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens. Approval of gas wellhead operating temperature increase will be evaluated case-by-case basis.	Monitoring of gas temperature, nitrogen level, and oxygen level in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(1).	Intermittent
4	Condition 3 - Table 1 (c)(1)(iii)(I)(2) If a well exceeds one of the operating parameters specified in Condition 3 Table 1 (c)(iii)(I)(1), action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance.	Record keeping of gas temperature, nitrogen level, or oxygen level exceedances in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(2).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(I)(3) Any attempted corrective measure shall not cause exceedances of other operational or performance standards.	Record keeping of corrective measures in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(3).	Continuous

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COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(iii)(I)(4) If corrective actions are taken as specified in paragraph(B) above, the monitored exceedance is not a violation of the operational requirements in this section.	Record keeping of corrective measures in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(4).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(J) Operate the collection system so that the methane concentration is less than 500 parts per million above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator shall conduct surface testing around the perimeter of the collection area along a pattern that traverses the landfill at 30 meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30-meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.	Record keeping of surface emissions in accordance with Condition 3 - Table 1 (c)(1)(iii)(J).	Intermittent
4	Condition 3 - Table 1 (c)(1)(iv) All landfill gas monitoring shall be performed by trained personnel.	Record keeping of personnel training in accordance with Condition 3 - Table 1 (c)(1)(iv).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping and monitoring in accordance with Condition 3 - Table 1 (c)(1)(v).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(A) The owner/operator shall measure gauge pressure in the gas collection header at each individual well, monthly.	Monitoring system pressure in accordance with Condition 3 - Table 1 (c)(1)(vi)(A).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(B) The owner/operator shall monitor each well for temperature and nitrogen or oxygen, monthly.	Monitoring system temperature and nitrogen or oxygen in accordance with Condition 3 - Table 1 (c)(1)(vi)(B).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(C) The owner/operator shall monitor surface concentrations of methane along the entire perimeter of the collection area and along a serpentine pattern spaced 30 meters apart (or a site-specific established spacing) for each collection area on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 60.755(d).	Monitoring surface methane emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(C)(1) Monitoring shall also be performed where visual observations, such as distressed vegetation and cracks or seeps in the cover, indicate elevated concentrations of landfill gas.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(1).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(C)(2) Areas with steep or otherwise dangerous areas may be excluded from the surface testing.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(2).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(vi)(C)(3) All penetrations from the landfill.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(3).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(D) Determine the background concentration by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(D).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(E) Develop a surface monitoring plan for methane that includes: A topographical map with the monitoring route identified and spaced at 30 meter intervals; The rational for any site-specific deviations from the 30 meter intervals; and All penetrations from the landfill.	Creating surface monitoring plan in accordance with Condition 3 - Table 1 (c)(1)(vi)(E).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(F) Implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis.	Monitoring cover integrity in accordance with Condition 3 - Table 1 (c)(1)(vi)(F).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(G) Monitor training records for all personnel performing landfill gas monitoring and update records as needed.	Monitoring training records in accordance with Condition 3 - Table 1 (c)(1)(vi)(G).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(A) Perform surface emission monitoring in accordance with section "individual source survey" of Method 21 of 40 CFR Part 60, Appendix A, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vii)(A).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(vii)(B) The portable analyzer shall meet the instrument specifications provided in section "apparatus" of Method 21 of 40 CFR Part 60, Appendix A, except that "methane" shall replace all references to VOC.	Record keeping of analyzer specifications in accordance with Condition 3 - Table 1 (c)(1)(vii)(B).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(C) The calibration gas shall be methane, diluted to a nominal concentration of 500 ppm in air.	Record keeping of calibration gas in accordance with Condition 3 - Table 1 (c)(1)(vii)(C).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(D) Follow "performance evaluation requirements" and "instrument evaluation procedures" of Method 21 of 40 CFR Part 60, Appendix A.	Record keeping of evaluations in accordance with Condition 3 - Table 1 (c)(1)(vii)(D).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(E) The calibration procedures provided in Method 21 of Appendix A shall be followed immediately before commencing a surface monitoring survey.	Record keeping of calibration procedures in accordance with Condition 3 - Table 1 (c)(1)(vii)(E).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(F) The nitrogen level shall be determined using Method 3C of 40 CFR Part 60, Appendix A.	Monitoring nitrogen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(F).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(G) The oxygen level shall be determined by an oxygen meter using Method 3A of 40 CFR Part 60, Appendix A except that:	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(vii)(G)(1) The span shall be set so that the regulatory limit is between 20 and 50 percent of the span.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(1).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(G)(2) A data recorder is not required.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(2).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(G)(3) Only two calibration gases are required, a zero and a span, and ambient air may be used as the span.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(3).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(G)(4) A calibration error check is not required.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(4).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(G)(5) The allowable sample bias, zero drift, and calibration drift are plus/minus 10 percent.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(5).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(H) The NMOC emission rate shall be calculated using the appropriate equation provided in 40 CFR Part 60.754(a).	Record keeping of NMOC calculations in accordance with Condition 3 - Table 1 (c)(1)(vii)(H).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(vii)(I) Each month, the owner or operator shall sample the landfill gas using Department approved test methods to determine methane and H2S content. A dräger tube (or equivalent) test can be accepted for monthly determination of H2S in landfill gas along with a quarterly test by ASTM D5504 or EPA method 15/16. The owner or operator shall take measure to complete a quarterly test, and provide time for a repeat test within that quarter if necessary.	Monitoring methane and H2S content in accordance with Condition 3 - Table 1 (c)(1)(vii)(I).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(J) Each quarter, the owner or operator shall sample the landfill gas using Department approved test methods to determine NMOC content. EPA Method 25c can be used as the Department approved test method.	Monitoring NMOC content in accordance with Condition 3 - Table 1 (c)(1)(vii)(J).	Continuous
4	Condition 3 - Table 1 (c)(1)(viii) Training shall include but not be limited to such things as sampling methods, instrument calibration, instrument response time, instrument response factors, and calibration gases.	Record keeping of personnel training in accordance with Condition 3 - Table 1 (c)(1)(viii).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(ix)(A) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of thie permit, the Company shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.	Record keeping of landfill capacity data in accordance with Condition 3 - Table 1 (c)(1)(ix)(A).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(B) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of thie permit, the Company shall keep readily accessible records for the life of the control equipment of the data listed in the following as measured during the initial performance test or compliance determination.	Record keeping of gas system data in accordance with Condition 3 - Table 1 (c)(1)(ix)(B).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(B)(1) The maximum expected gas generation flow rate as calculated in §60.755(a)(1).	Record keeping of maximum calculated gas flow rate in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(1).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(B)(2) The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 40 CFR Part §60.759(a)(1).	Record keeping of gas extraction devices in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(2).	Continuous

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4	Condition 3 - Table 1 (c)(1)(ix)(B)(3) The flare type (i.e., steam assisted, air-assisted, or nonassisted), all visible emission readings, heat content determination, flow rate or bypass flow rate measurements, and exit velocity determinations made during the performance test as specified in §60.18; continuous records of the flare pilot flame or flare flame monitoring and records of all periods of operations during which the pilot flame or the flare flame is absent.	Record keeping of flare type and data in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(3).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(C) Keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in Conditions 3 –Table 1(c)(1)(iii) & (iv) as well as up-to-date, readily accessible records for periods of during which the parameter boundaries established during the most recent performance test are exceeded.	Record keeping of operating parameters in accordance with Condition 3 - Table 1 (c)(1)(ix)(C).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(D) Keep up-to-date, readily accessible continuous records of the indication of flow to the control device or indication of bypass flow.	Record keeping of flow control in accordance with Condition 3 - Table 1 (c)(1)(ix)(D).	Intermittent
4	Condition 3 - Table 1 (c)(1)(ix)(E) Records of subsequent tests or monitoring including monitoring of H2S concentration in landfill gas shall be maintained for a minimum of 5 years.	Record keeping of tests and monitoring in accordance with Condition 3 - Table 1 (c)(1)(ix)(E).	Continuous

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4	Condition 3 - Table 1 (c)(1)(ix)(F) Records of the control device vendor specifications shall be maintained until removal.	Record keeping of vendor specifications in accordance with Condition 3 - Table 1 (c)(1)(ix)(F).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(G) Keep for the life of the collection system an up-to-date, readily accessible plot map showing each existing and planned collector in the system and provide a unique identification location label for each collector.	Record keeping of plot map in accordance with Condition 3 - Table 1 (c)(1)(ix)(G).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(H) Keep up-to-date, readily accessible records of the installation date and location of all newly installed collectors.	Record keeping of collector installation date and location in accordance with Condition 3 - Table 1 (c)(1)(ix)(H).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(I) Keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as well as any nonproductive areas excluded from collection.	Record keeping of asbestos-containing and nondegradable waste in accordance with Condition 3 - Table 1 (c)(1)(ix)(I).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(J) Keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards, the reading in the subsequent month whether or not the second reading is an exceedance, the location of each exceedance and any corrective actions taken on monitored exceedances.	Record keeping of collection and control system exceedances in accordance with Condition 3 - Table 1 (c)(1)(ix)(J).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(ix)(K) Record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports.	Record keeping of positive pressure in accordance with Condition 3 - Table 1 (c)(1)(ix)(K).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(L) The operational standards and limitations monitored in accordance with Conditions 3 - Table 1 (c)(1)(iii) & (iv).	Record keeping of the operational standards and limitations monitored in accordance with Conditions 3 - Table 1 (c)(1)(iii) & (iv). in accordance with Condition 3 - Table 1 (c)(1)(ix)(L).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(A) An amended design capacity report when there is an increase in the design capacity of the landfill, whether the increase results from an increase in the area or depth of the landfill, a change in the operating procedures of the landfill, or any other means. The amended design capacity report shall be submitted within 90 days of the issuance of an amended construction or operating permit, or the placement of waste in additional land, or the change in operating procedures which will result in an increase in maximum design capacity, whichever occurs first.	Reporting of amended design capacity in accordance with Condition 3 - Table 1 (c)(1)(x)(A).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(x)(B) The owner/operator shall submit to the Department compliance reports every 6 months (semi-annually) as specified in 40 CFR Parts 63.1980(a) and (b), and Condition 3-Table 1(c)(4)(x) including information on all deviations as defined in 40 CFR Part 63.1990 that occurred during the 6-month reporting period. The semi-annual reports are due by February 1 and August 1 of each calendar year.	Reporting of compliance in accordance with Condition 3 - Table 1 (c)(1)(x)(B).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(C) In addition to the information outlined in MACT requirement of this section, the owner/operator shall submit to the Department semi-annual reports of the recorded information in (1) through (6) below:	Reporting in accordance with Condition 3 - Table 1 (c)(1)(x)(C).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(C)(1) Value and length of time for exceedance of applicable parameters monitored under Condition 3-Table 1(c)(1)(vi), and (c)(2)(vi).	Reporting of value and length of exceedances in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(1).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(C)(2) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow.	Reporting of gas bypass in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(2).	Continuous

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COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(x)(C)(3) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating.	Reporting of control device down time in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(3).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(C)(4) All periods when the collection system was not operating in excess of 5 days.	Reporting of collection system down time in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(4).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(C)(5) The location of each exceedance of the 500 parts per million methane concentration and the concentration recorded at each location for which an exceedance was recorded in the previous quarter.	Reporting of surface monitoring exceedances in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(5).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(C)(6) The date of installation and the location of each well or collection system expansion added along with new plot maps that indicate the locations of all new equipment.	Reporting of well location and installation in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(6).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(D) The owner/operator shall submit an NMOC emission rate report to the Department annually, except as provided for in paragraph (3) below. The Department may request such additional information as may be necessary to verify the reported NMOC emission rate.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D).	Continuous

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COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(x)(D)(1) The NMOC emission rate report shall contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in §60.754 (a) or (b), as applicable.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(1).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(D)(2) The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(2).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(D)(3) The Company subject to the requirements of this subpart is exempted from the requirements of paragraphs 1 and 2 of this section, after the installation of a collection and control system in compliance with Condition 3-Table 1(a), (c), (d) and (e), during such time as the collection and control system is in operation and in compliance with Condition 3 -Table 1(a), (c), (d), and (e).	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(3).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(E) The owner/operator shall submit the quarterly H2S concentration in LFG analysis results identified by Condition 3 - Table 1 (c)(1)(vii)(I) by the end of the each quarter for the previous quarter.	Reporting in accordance with Condition 3 - Table 1 (c)(1)(x)(E)	Intermittent

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COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(xi)(A) For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with Condition 3– Table 1(c)(1)(iii)(B), the appropriate equation from 40 CFR Part 60.755(a)(1) shall be used. The k and Lo kinetic factors should be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42) or other site specific values demonstrated to be appropriate and approved by the Department. If k has been determined as specified in 60.754(a)(4), the value of k determined from the test shall be used. A value of no more than 15 years shall be used for the intended use period of the gas mover equipment. The active life of the landfill is the age of the landfill plus the estimated number of years until closure.	Record keeping of gas flow rate calculation in accordance with Condition 3 - Table 1 (c)(1)(xi)(A).	Continuous
4	Condition 3 - Table 1 (c)(1)(xi)(B) If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under Condition 3–Table 1(c)(1)(iii)(I).	Record keeping of positive pressure corrective action in accordance with Condition 3 - Table 1 (c)(1)(xi)(B).	Continuous

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COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(xi)(C) If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measurement shall not cause exceedances of other operational or performance standards.	Record keeping of gas system expansion in accordance with Condition 3 - Table 1 (c)(1)(xi)(C).	Continuous
4	Condition 3 - Table 1 (c)(1)(xi)(D) Installation of additional wells is not required during the first 180 days after gas collection system start-up.	Record keeping of new wells in accordance with Condition 3 - Table 1 (c)(1)(xi)(D).	Continuous
4	Condition 3 - Table 1 (c)(1)(xi)(E) If a well exceeds one of the operating parameters of Condition 3–Table 1(c)(1)(iii)(I), action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measurement shall not cause exceedances of other operational or performance standards.	Record keeping of corrective action in accordance with Condition 3 - Table 1 (c)(1)(xi)(E).	Continuous

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COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(xi)(F) Any reading of 500 ppm or more above background at any location shall be recorded as a monitored exceedance and the following actions shall be taken. As long as the following specified actions are taken, the exceedance is not a violation of the operational requirements.	Record keeping of surface monitoring exceedances in accordance with Condition 3 - Table 1 (c)(1)(xi)(F).	Continuous
4	Condition 3 - Table 1 (c)(1)(xi)(F)(1) The location of each monitored exceedance shall be marked and the location recorded.	Record keeping of exceedance location in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(1).	Continuous
4	Condition 3 - Table 1 (c)(1)(xi)(F)(2) Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within 10 calendar days of detecting the exceedance.	Record keeping of corrective actions in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(2).	Intermittent
4	Condition 3 - Table 1 (c)(1)(xi)(F)(3) If the re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be monitored again within 10 days of the second exceedance. If the re-monitoring shows a third exceedance for the same location, the action specified in Condition 3 – Table 1(c)(1)(xi)(F)(5) shall be taken, and no further monitoring of that location is required until the action specified in Condition 3 – Table 1(c)(1)(xi)(F)(5) has been taken.	Record keeping of remonitoring results in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(3).	Continuous

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COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(xi)(F)(4) Any location that initially showed an exceedance but has a methane concentration less than 500 ppm methane above background at the 10-day re-monitoring shall be re-monitored 1 month from the initial exceedance. If the 1-month re-monitoring shows a concentration less than 500 ppm above background, no further monitoring of that location is required until the next quarterly monitoring period. If the 1-month re-monitoring shows an exceedance, the actions specified in Condition 3 – Table 1(c)(1)(xi)(F)(3) or (5) shall be taken.	Record keeping of remonitoring in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(4).	Continuous
4	Condition 3 - Table 1 (c)(1)(xi)(F)(5) For any location where monitored methane concentration equals or exceeds 500 ppm above background three times within a quarterly period, a new well or other collection device shall be installed within 120 calendar days of the initial exceedance. An alternative remedy to the exceedance, such as upgrading the blower, header pipes or control device, and a corresponding timeline for installation may be submitted to the Department for approval.	Record keeping of remonitoring results in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(5).	Continuous
4	Condition 3 - Table 1 (c)(1)(xi)(G) Compliance with all standards and limitations of Condition 3 – Table 1(c)(1)(iii) and (iv) shall be based upon record keeping.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(1)(xi)(G).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(2)(iv)(A) The wellhead valve(s) shall be closed.	Monitoring wellhead valves in accordance with Condition 3 - Table 1 (c)(2)(iv)(A).	Continuous
4	Condition 3 - Table 1 (c)(2)(iv)(B) The remaining gas collection system shall be rebalanced and checked during the remainder of the current month and the following two months after valve closure to allow the collection system to adapt without the contribution of the decommissioned well(s).	Monitoring and record keeping of gas collection system rebalancing in accordance with Condition 3 - Table 1 (c)(2)(iv)(B).	Continuous
4	Condition 3 - Table 1 (c)(2)(iv)(C) After DNREC review of data and upon written approval from the Department for final abandonment, remove wellhead(s), cut and cap the vacuum line and gas well casing a minimum of three (3) feet below ground, backfill with soil as appropriate, and repair cap. The initial approval for well decommissioning from the Division of Air Quality does not preclude any requirements by the Department's Solid and Hazardous Waste Management Branch (SHWMB).	Record keeping of gas well removal in accordance with Condition 3 - Table 1 (c)(2)(iv)(C).	Continuous
4	Condition 3 - Table 1 (c)(2)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(2)(v).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(2)(vi)(A) The owner/operator shall monitor the average weekly flow rate of landfill gas collected at the flare/gas station for three (3) months after the well(s) decommissioning and compare with the three (3) months prior to well(s) decommissioning to determine if gas collection has increased, decreased or remained constant as a result of the decommissioning of the extraction points.	Monitoring of collected flow rate in accordance with Condition 3 - Table 1 (c)(2)(vi)(A).	Continuous
4	Condition 3 - Table 1 (c)(2)(vi)(B) The Company shall conduct monthly surface monitoring in the vicinity of the decommissioned well(s) for three (3) consecutive months after initial well decommissioning to determine if additional wells are needed to control fugitive gas emissions or if the decommissioned well(s) need to be returned to service.	Monitoring of surface emissions in accordance with Condition 3 - Table 1 (c)(2)(vi)(B).	Continuous
4	Condition 3 - Table 1 (c)(2)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (c)(2)(vii).	Continuous
4	Condition 3 - Table 1 (c)(2)(ix) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the monitoring required by Condition 3– Table 1(c)(2)(vi).	Record keeping of monitored data in accordance with Condition 3 - Table 1 (c)(2)(ix).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(2)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide the Department with written notification at least 15 days prior to beginning well decommissioning that includes the following:	Reporting well decommissioning data in accordance with Condition 3 - Table 1 (c)(2)(x)(A).	Continuous
4	Condition 3 - Table 1 (c)(2)(x)(A)(1) The reason for well decommissioning.	Reporting reason for decommissioning in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(1).	Continuous
4	Condition 3 - Table 1 (c)(2)(x)(A)(2) A plot map that clearly identifies all nearby active wells and the wells to be decommissioned.	Reporting of well location in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(2).	Continuous
4	Condition 3 - Table 1 (c)(2)(x)(A)(3) Estimated approximate radius of influence (ROI) of the well to be decommissioned and the ROIs of the nearby active wells or LFG collection trenches.	Reporting of radius of influence in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(3).	Continuous
4	Condition 3 - Table 1 (c)(2)(x)(A)(4) Documentation that demonstrates that the wells have been unproductive.	Reporting of documented unproductive wells in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(4).	Continuous
4	Condition 3 - Table 1 (c)(2)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide a summary report of the results and details of the plans to abandon the decommissioned well(s) to the Department for approval prior to formal abandonment.	Reporting of well abandonment plan in accordance with Condition 3 - Table 1 (c)(2)(x)(B).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(2)(x)(C) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide a summary report of landfill gas flow rate and surface emissions monitoring outlined by Condition 3-Table 1(c)(2)(vi)(A)&(B).	Reporting of gas flow rate and emissions monitoring in accordance with Condition 3 - Table 1 (c)(2)(x)(C).	Continuous
4	Condition 3 - Table 1 (c)(2)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance shall be demonstrated by record keeping and reporting.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (c)(2)(xi).	Continuous
4	Condition 3 - Table 1 (c)(3)(iii)(A) The collection and control system may be capped or removed provided that all the following conditions are met:	Record keeping of collection systems capping or removal in accordance with Condition 3 - Table 1 (c)(3)(iii)(A).	Continuous
4	Condition 3 - Table 1 (c)(3)(iii)(A)(1) The landfill shall be no longer accepting solid waste and be permanently closed;	Record keeping of accepted waste in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(1).	Continuous
4	Condition 3 - Table 1 (c)(3)(iii)(A)(2) The collection and control system shall have been in a minimum of 15 years; and	Record keeping of collection system operation time in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(2).	Continuous
4	Condition 3 - Table 1 (c)(3)(iii)(A)(3) The calculated NMOC gas produced by the landfill shall be less than 50 megagrams per year on three successive test dates. The test dates shall be no less than 90 days apart, and no more than 180 days apart.	Record keeping of NMOC gas produced in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(3).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(3)(iii)(B) If a closure report has been submitted to the Department, no additional wastes may be placed into the landfill without filing a notification of modification as described under 40 CFR Part 60.7(a)(4) provided that none of the conditions of this permit are violated.	Record keeping of waste acceptance in accordance with Condition 3 - Table 1 (c)(3)(iii)(B).	Continuous
4	Condition 3 - Table 1 (c)(3)(iii)(C) Any closed landfill that has no monitored exceedances in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane readings of 500 parts per million or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.	Record keeping of monitored exceedances in accordance with Condition 3 - Table 1 (c)(3)(iii)(C).	Continuous
4	Condition 3 - Table 1 (c)(3)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 -Table 1 (c)(3)(v).	Continuous
4	Condition 3 - Table 1 (c)(3)(vi) The company shall monitor the operational standards of Condition 3–Table 1(c)(3)(iii).	Monitoring of operational standards in accordance with Condition 3 - Table 1 (c)(3)(vi).	Continuous
4	Condition 3 - Table 1 (c)(3)(vii) In addition to that required by Condition 3(b)(1)(ii) of this permit, the owner/operator shall calculate the NMOC emission rate using the equation provided in 40 CFR Part 60.754(b).	Record keeping of NMOC emissions calculations in accordance with Condition 3 - Table 1 (c)(3)(vii).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(3)(ix) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep records of the monitoring required by Condition 3–Table 1(c)(3)(vi).	Record keeping of monitored data in accordance with Condition 3 - Table 1 (c)(3)(ix).	Continuous
4	Condition 3 - Table 1 (c)(3)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit a closure report to the Department within 30 days of waste acceptance cessation. The Department may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of Section 258.60 of 40 CFR Part 60.	Reporting of landfill closure in accordance with Condition 3 - Table 1 (c)(3)(x)(A).	Continuous
4	Condition 3 - Table 1 (c)(3)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit an equipment removal report to the Department 30 days prior to removal or cessation of of the control equipment that includes the following:	Reporting of equipment removal in accordance with Condition 3 - Table 1 (c)(3)(x)(B).	Continuous
4	Condition 3 - Table 1 (c)(3)(x)(B)(1) A copy of the closure report submitted in accordance with Condition 3–Table 1(c)(3)(x)(A);	Reporting of closure in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(1).	Continuous
4	Condition 3 - Table 1 (c)(3)(x)(B)(2) A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired, and	Reporting of initial performance test in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(2).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(3)(x)(B)(3) Dated copies of three successive NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year.	Reporting of NMOC emission rates in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(3).	Continuous
4	Condition 3 - Table 1 (c)(3)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (c)(3)(xi).	Continuous
4	Condition 3 - Table 1 (c)(4)(iii) The owner/operator shall develop and implement a written startup, shutdown and malfunction plan (SSM) that describes, in detail, procedures for operating and maintaining the collection and control system and the continuous monitoring system during periods of SSM and a program of corrective action for malfunctioning process and air pollution control equipment according to the provisions of 40 CFR Part 63.6(e)(3).	Record keeping of SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(iii).	Continuous
4	Condition 3 - Table 1 (c)(4)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(4)(v).	Continuous
4	Condition 3 - Table 1 (c)(4)(vi) In addition to the requirements of all monitoring conditions specified under Condition 3-Table 1(c), the Company shall monitor the time, date, and length of all SSM and any actions taken at such times.	Monitoring of SSM events in accordance with Condition 3 - Table 1 (c)(4)(vi).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(4)(ix)(A) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep the written Startup Shutdown and Malfunction Plan (SSM Plan) on record to be made available for inspection upon request, for the life of the affected source.	Record keeping of SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(ix)(A).	Continuous
4	Condition 3 - Table 1 (c)(4)(ix)(B) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep previous versions of the SSM Plan on record if the SSM Plan is revised, for a period of 5 years after each revision to the plan.	Record keeping of previous SSM Plans in accordance with Condition 3 - Table 1 (c)(4)(ix)(B).	Continuous
4	Condition 3 - Table 1 (c)(4)(ix)(C) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the occurrence and duration of each SSM of operation, and of the air pollution control equipment.	Record keeping of each SSM event in accordance with Condition 3 - Table 1 (c)(4)(ix)(C).	Continuous
4	Condition 3 - Table 1 (c)(4)(ix)(D) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall record all maintenance performed on the air pollution control equipment.	Record keeping of equipment maintenance in accordance with Condition 3 - Table 1 (c)(4)(ix)(D).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(4)(ix)(E) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall record actions taken during periods of SSM (including corrective actions to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation) when such actions are different from the procedures specified in the SSM Plan.	Record keeping of actions taken during SSM periods in accordance with Condition 3 - Table 1 (c)(4)(ix)(E).	Continuous
4	Condition 3 - Table 1 (c)(4)(ix)(F) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain all information necessary to demonstrate conformance with the affected source's SSM Plan when all actions taken during periods of SSM are consistent with the procedures specified in such plan.	Record keeping of conformance with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(ix)(F).	Continuous
4	Condition 3 - Table 1 (c)(4)(ix)(G) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of the permit, the Company shall record each period during which a CMS is malfunctioning or inoperative.	Record keeping of CMS malfunctions in accordance with Condition 3 - Table 1 (c)(4)(ix)(G).	Continuous
4	Condition 3 - Table 1 (c)(4)(x)(A) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: A SSM report shall be submitted semiannually.	Reporting of SSM compliance in accordance with Condition 3 - Table 1 (c)(4)(x)(A).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(4)(x)(B) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: If actions taken during a SSM are consistent with the procedures specified in the SSM Plan, the owner or operator shall state such information in the report.	Reporting of actions consistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(B).	Continuous
4	Condition 3 - Table 1 (c)(4)(x)(C) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: The SSM report shall consist of a letter, containing the name, title, and signature of the responsible official certifying to its accuracy.	Reporting of SSM report accuracy in accordance with Condition 3 - Table 1 (c)(4)(x)(C).	Continuous
4	Condition 3 - Table 1 (c)(4)(x)(D) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: SSM reports shall be delivered or postmarked by the 30th day following the end of each calendar half.	Reporting of SSM on time in accordance with Condition 3 - Table 1 (c)(4)(x)(D).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(4)(x)(E) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: Anytime an action taken by an owner/operator during a SSM is not consistent with the procedures specified in the SSM plan, the owner/operator shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E).	Continuous
4	Condition 3 - Table 1 (c)(4)(x)(E)(1) The immediate report shall consist of a telephone call or facsimile transmission within 2 working days after commencing actions.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E)(1).	Continuous
4	Condition 3 - Table 1 (c)(4)(x)(E)(2) The letter shall contain the name, title and signature of the responsible official certifying its accuracy, explaining the circumstances of the event, the reasons for not following the SSM plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E)(2).	Continuous
4	Condition 3 - Table 1 (c)(4)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping and reporting requirements outlined above.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (c)(4)(xi).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
5	Condition 3 - Table 1 (d)(1)(i) The gas plant shall not be a source of emissions.	Record keeping and monitoring of gas plant in accordance with Condition 3 - Table 1 (d)(1)(i).	Continuous
5	Condition 3 - Table 1 (d)(1)(iv)(A)(1) Route all the collected gas to: the gas compression plant that processes the collected gas for subsequent sale or , use; or	Record keeping of gas routing in accordance with Condition 3 - Table 1 (d)(1)(iv)(A)(1).	Continuous
5	Condition 3 - Table 1 (d)(1)(iv)(A)(2) Permitted flare(s) designed and operated in accordance with §60.18(c).	Record keeping of gas routing in accordance with Condition 3 - Table 1 (d)(1)(iv)(A)(2).	Continuous
5	Condition 3 - Table 1 (d)(1)(iv)(B)(1) The gas plant shall: be operated at all times when the collected gas is routed to the system.	Record keeping of gas plant operation in accordance with Condition 3 - Table 1 (d)(1)(iv)(B)(1).	Continuous
5	Condition 3 - Table 1 (d)(1)(iv)(B)(2) be maintained and operated in a manner consistent with the specifications in the operation manual. Any changes to the manuals shall be submitted to the Department.	Record keeping of operation and maintenance in accordance with Condition 3 - Table 1 (d)(1)(iv)(B)(2).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
5	Condition 3 - Table 1 (d)(1)(iv)(C) DSWA shall upgrade the landfill gas collection system, including gas lines, process skid, and compressor so it is capable of processing and transmitting processed landfill gas at the rate of 9,000 scfm. When the landfill gas flow rate exceeds a daily average of 8,000 scfm for two (2) consecutive months, DSWA shall upgrade the system so it is capable of processing and transmitting processed landfill gas at the rate of 12,000 scfm. In any event, all landfill gas collected at the landfill either shall be processed by the gas compressor system or burned at a flare or flares.	Record keeping of gas system upgrades in accordance with Condition 3 - Table 1 (d)(1)(iv)(C).	Continuous
5	Condition 3 - Table 1 (d)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (d)(1)(v).	Continuous
5	Condition 3 - Table 1 (d)(1)(vi) The owner/operator shall monitor operational limitations of this section.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (d)(1)(vi).	Continuous
5	Condition 3 - Table 1 (d)(1)(ix)(A) The owner/operator shall maintain all records specified under Condition 3-Table 1(d)(1)(vi) including the following information:	Record keeping in accordance with Condition 3 - Table 1 (d)(1)(ix)(A).	Continuous
5	Condition 3 - Table 1 (d)(1)(ix)(A)(1) The date and time the gas plant was shut down;	Record keeping of gas plant shut downs in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(1).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
5	Condition 3 - Table 1 (d)(1)(ix)(A)(2) The date and time the gas flow was restored to the plant; and	Record keeping of gas flow to gas plant in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(2).	Continuous
5	Condition 3 - Table 1 (d)(1)(ix)(A)(3) The date and time the flare was fired.	Record keeping of flare use in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(3).	Continuous
5	Condition 3 - Table 1 (d)(1)(ix)(B) Records of the control device vendor specifications shall be maintained until removal.	Record keeping of vendor specifications in accordance with Condition 3 - Table 1 (d)(1)(ix)(B).	Continuous
5	Condition 3 - Table 1 (d)(1)(ix)(C) The daily exit gas flow rate from gas plant as specified in Condition 3-Table 1 (d)(1)(iv)(A).	Record keeping of exit gas flow rate in accordance with Condition 3 - Table 1 (d)(1)(ix)(C).	Continuous
5	Condition 3 - Table 1 (d)(1)(x)(A) Any changes to the operational manual shall be submitted to the Department within one (1) month.	Reporting of changes to the operational manual in accordance with Condition 3 - Table 1 (d)(1)(x)(A).	Continuous
5	Condition 3 - Table 1 (d)(1)(x)(B) In addition to Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department annual reports of the following information:	Reporting in accordance with Condition 3 - Table 1 (d)(1)(x)(B).	Continuous
5	Condition 3 - Table 1 (d)(1)(x)(B)(1) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under 40 CFR Part 60.756.	Reporting of gas routing in accordance with Condition 3 - Table 1 (d)(1)(x)(B)(1).	Continuous

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COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
5	Condition 3 - Table 1 (d)(1)(x)(B)(2) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour during normal operating hour and 4 hours outside normal operating hour, and length of time the control device was not operating.	Reporting of control device down time in accordance with Condition 3 - Table 1 (d)(1)(x)(B)(2).	Intermittent
5	Condition 3 - Table 1 (d)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance will be determined based on records keeping and reporting requirements of this section.	Record keeping and reporting in accordance with Condition 3 - Table 1 (d)(1)(xi).	Continuous
6	Condition 3 - Table 1 (e)(1)(i) The generator shall be operated in conformance with the generator manufacturer's instructions, such as following maintenance and operating requirements to help minimize emissions.	Record keeping of operations in accordance with Condition 3 - Table 1 (e)(1)(i).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(A) The emergency generator may be operated for an unlimited number of hours during an emergency as described in Condition 3–Table 1(e)(1)(iii)(C).	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(A).	Continuous
6	*Condition 3 - Table 1 (e)(1)(iii)(B) The emergency generator may operate for an unlimited number of hours during testing or for maintenance purposes, pursuant to the definition of an emergency generator as defined in the 7 DE Admin Code 1144, except as restricted by Condition 3–Table 1(e)(1)(iii)(D).	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(B).	Continuous

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COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
6	Condition 3 - Table 1 (e)(1)(iii)(C) The emergency generator may only operate during an emergency as defined below:	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(C)(1) An electrical power outage due to: a failure of the electrical grid; on-site disaster; local equipment failure; or public service emergencies such as flood, fire, natural disaster, or severe weather conditions (e.g. hurricane, tornado, blizzard, etc.); or	Record keeping of hours of emergency operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C)(1).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(C)(2) When there is a deviation of voltage or frequency from the electrical provider to the premises of three percent (3%) or greater above, or five Percent (5%) or greater below, standard voltage or frequency.	Record keeping of hours of emergency operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C)(2).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(D) No emergency generator shall be used during testing or for maintenance purposes before 5 p.m. on a day which has a Ground Level Ozone Pollution Forecast or Particle Pollution Forecast of "Code Red" or "Code Orange" as announced by the Department.	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(D).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(E) Despite Condition 3–Table 1(e)(1)(iii)(D), an emergency generator may be tested on any day that such testing is required to meet National Fire Protection Association (NFPA) standards.	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(E).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
6	*Condition 3 - Table 1 (e)(1)(iii)(F) The emergency generator shall only combust diesel fuel or biodiesel blend having a sulfur content equal to or less than 0.05% by weight.	Record keeping of generator fuel in accordance with Condition 3 - Table 1 (e)(1)(iii)(F).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(G) The emergency generator shall be equipped with a properly functioning non-resettable hour metering device.	Record keeping of generator equipment in accordance with Condition 3 - Table 1 (e)(1)(iii)(G).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(H) The emergency generator shall not be operated in conjunction with a voluntary demand reduction program or any other interruptible power supply arrangement with a utility, other market participant, or system operator (e.g. Delmarva Power, Delaware Electric Cooperative, PJM, etc.).	Record keeping of reasons for operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(H).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(I) The emergency generator shall not be transferred off-site without first notifying the Department. Whoever becomes the new owner or operator of this generator within the State of Delaware shall apply for a construction permit.	Record keeping of generator location in accordance with Condition 3 - Table 1 (e)(1)(iii)(I).	Continuous
6	Condition 3 - Table 1 (e)(1)(iv) The emergency generator shall be serviced annually by a manufacturer's representative or by personnel trained to perform maintenance according to the manufacturer's recommendations.	Record keeping of maintenance and personnel training/qualifications in accordance with Condition 3 - Table 1 (e)(1)(iv).	Continuous

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COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
6	Condition 3 - Table 1 (e)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping in accordance with Condition 3 - Table 1 (e)(1)(v).	Continuous
6	Condition 3 - Table 1 (e)(1)(vi)(A) The Company shall monitor, for each operating period: The type of fuel used to fire this Emission Unit; The monthly amount of fuel combusted; The sulfur content of the fuel oil for each shipment; and the date, time, duration, and reason for each startup.	Monitoring fuel and fuel usage in accordance with Condition 3 - Table 1 (e)(1)(vi)(A).	Continuous
6	Condition 3 - Table 1 (e)(1)(vi)(B) The hours and minutes of operation.	Monitoring of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(vi)(B).	Continuous
6	Condition 3 - Table 1 (e)(1)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (e)(1)(vii).	Continuous
6	Condition 3 - Table 1 (e)(1)(ix)(A) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: the monitoring required in Condition 3 – Table 1(e)(1)(vi).	Record keeping of monitoring data in accordance with Condition 3 - Table 1 (e)(1)(ix)(A).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
6	Condition 3 - Table 1 (e)(1)(ix)(B) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: for each shipment of fuel, shipping receipt and fuel supplier certifications of fuel sulfur content that state: The type of fuel delivered; and The percentage of sulfur in the fuel and the method used to determine the sulfur content.	Record keeping of fuel information in accordance with Condition 3 - Table 1 (e)(1)(ix)(B).	Continuous
6	Condition 3 - Table 1 (e)(1)(ix)(C) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: As an alternative to Condition 3–Table 1(e)(1)(ix)(B), the owner may have a the fuel in the generator's fuel tank certified by a third party laboratory, after each shipment of liquid fuel. This certification shall identify: The type of fuel delivered; and The percentage of sulfur in the fuel and the method used to determine the sulfur content.	Record keeping of fuel information in accordance with Condition 3 - Table 1 (e)(1)(ix)(C).	Continuous
6	Condition 3 - Table 1 (e)(1)(ix)(D) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the initial notification as required by 7 DE Admin Code 1144.	Record keeping of initial notification in accordance with Condition 3 - Table 1 (e)(1)(ix)(D).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
6	Condition 3 - Table 1 (e)(1)(ix)(E) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the manufacturer's maintenance and operational recommendations.	Record keeping of maintenance and operational manual in accordance with Condition 3 - Table 1 (e)(1)(ix)(E).	Continuous
6	Condition 3 - Table 1 (e)(1)(ix)(F) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: Monthly, the hours of operation on a monthly and cumulative twelve (12) month basis.	Record keeping of hours of operation in accordance with Condition 3 -Table 1 (e)(1)(ix)(F).	Continuous
6	Condition 3 - Table 1 (e)(1)(ix)(G) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: Monthly, the total fuel usage on a monthly and cumulative twelve (12) month basis.	Record keeping of fuel usage in accordance with Condition 3 - Table 1 (e)(1)(ix)(G).	Continuous
6	Condition 3 - Table 1 (e)(1)(ix)(H) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the annual service performed in accordance with Condition 3–Table 1(e)(1)(iv)(A).	Record keeping of service records in accordance with Condition 3 - Table 1 (e)(1)(ix)(H).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
6	Condition 3 - Table 1 (e)(1)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, if the emergency generator is to be reclassified from an emergency generator to a distributed generator, the owner or operator shall submit a letter stating that the generator is to be reclassified. Reclassification shall not occur without written permission from the Department.	Reporting of generator reclassification in accordance with Condition 3 - Table 1 (e)(1)(x)(A).	Continuous
6	Condition 3 - Table 1 (e)(1)(x)(B) The Company shall calculate the emissions from emergency generator and include this information to yearly emissions inventory report.	Reporting of emissions in accordance with Condition 3 - Table 1 (e)(1)(x)(B).	Continuous
6	Condition 3 - Table 1 (e)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping and reporting requirements outlined above.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (e)(1)(xi).	Continuous
Facility Wide	*Condition 3 - Table 1 (f)(1)(ii) The facility's rolling 12-month emission limitations are based on two low-NOx enclosed flares and all permitted passive flares as shown below: NOx=23.9 tons, CO=57.4 tons, PM=16 tons, NMOC=0.61 tons, Sox=77 tons, HCl=1.11 tons.	Monitoring emissions limitations in accordance with Condition 3 - Table 1 (f)(1)(ii).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(A) As outlined by the unit-specific operational limitations by this permit.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (f)(1)(iv)(A).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(B) Only permitted temporary grinders may be used on site and all emissions from the temporary grinders shall be included in the facility wide total emiisions.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(iv)(B).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(C) Only permitted temporary crushers may be used on site and all emissions from the temporary crushers shall be included in the facility wide total emiisions.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(iv)(C).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(1)(v).	Continuous
Facility Wide	*Condition 3 - Table 1 (f)(1)(vi)(A) The owner/operator shall monitor the following: monthly and 12-month emissions of NOx, CO, PM, NMOCs, SOx, and HCl from the facility.	Monitoring of emissions in accordance with Condition 3 - Table 1 (f)(1)(vi)(A).	Intermittent
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(B) The owner/operator shall monitor unit-specific visible emissions as outlined by this permit.	Monitoring of visible emissions in accordance with Condition 3 - Table 1 (f)(1)(vi)(B).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(C) The owner/operator shall monitor the hours of operation of permitted temporary stationary equipment.	Monitoring of hours of operation in accordance with Condition 3 - Table 1 (f)(1)(vi)(C).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(1)(vii).	Continuous

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Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(1)(ix) That required by Conditions 3(b)(1)(ii) and 3(b)(2) and Condition 3-Table 1(f)(1)(vi) of this permit.	Record keeping in accordance with Condition 3 - Table 1 (f)(1)(ix).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(x) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall calculate the rolling 12-month emissions from passive flares based on actual hours of operations and best engineering assumptions. The owner/operator shall include the passive flare emissions to yearly emissions inventory report.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(x).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(xi)(A) Compliance with the emission limitations identified by the unit-specific emissions shall be demonstrated each month based on the amount of gas combusted, actual NMOC, actual H2S concentrations, actual methane content in landfill gas, approved emission factors and good engineering assumptions.	Record keeping of compliance with emission limitations in accordance with Condition 3 - Table 1 (f)(1)(xi)(A).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(xi)(B) Any noncompliance with the restrictions of Condition 3–Table 1(f)(xi)(A) shall be evaluated in accordance with the requirements of 7 DE Admin Code 1125, Requirements for Preconstruction Review. Any emission exceedances which trigger the requirements of 7 DE Admin Code 1125 shall subject the facility to full review under this regulation as though construction had not yet commenced at the facility.	Record keeping of noncompliance in accordance with Condition 3 - Table 1 (f)(1)(xi)(B).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(2)(i) Odor: The owner/operator shall not cause or allow the emission of odorous air contaminants such as to cause a condition of air pollution.	Record keeping of emissions of odorous air contaminants in accordance with Condition 3 - Table 1 (f)(2)(i).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(2)(iv) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(2)(iv).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(2)(v)(A) Conduct daily odor survey at the perimeter of the facility on days the facility is operational. The daily surveys shall be conducted 6 days a week (Monday through Saturday). The owner or operator shall resume off day monitoring if there are any verified odor complaints on any off day in any subsequent quarter. If a landfill gas odor sufficient to cause or create a condition of air pollution is detected, the owner/operator shall take immediate action to correct landfill gas odor problem. The following information shall be recorded and maintained in written or electronic log. Any written log shall be initialed: Start and end time of survey, presence or absence of odor, wind direction, ambient air temperature, and location monitored. In the event when odor is detected along the perimeter exterior of the landfill, the odor survey log shall include the following additional information: Humidity content of ambient air, average wind speed, actions taken in response to odor found.	Monitoring of odors in accordance with Condition 3 - Table 1 (f)(2)(v)(A).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(2)(v)(B) The owner/operator shall conduct perimeter H2S survey (measurement) if H2S concentration in LFG exceeds 450 ppm in two consecutive quarters by laboratory analysis (ASTM). The perimeter H2S measurements shall be conducted within seventy two (72) hours upon receiving the laboratory results and maintain this information for the Department's reviews.	Monitoring of odors in accordance with Condition 3 - Table 1 (f)(2)(v)(B)	Continuous
Facility Wide	Condition 3 - Table 1 (f)(2)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(2)(vii).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(2)(ix) In addition to that required by Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the owner/operator shall maintain records of the following: 1. Presence or absence of odor; 2. Wind direction and ambient air temperature; 3. Location monitored; 4. Actions taken in response to odors found. For H2S monitoring the owner/operator shall maintain records of the following: 1. Method used for perimeter monitoring (survey); 2. Monitoring results; 3.Monitoring location.	Record keeping of odor logs in accordance with Condition 3 - Table 1 (f)(2)(ix).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(2)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall comply with the following: Notify the Department immediately if daily or other odor surveys detect odors beyond the landfill perimeter. The owner/operator shall submit an odor survey sumary log by the end of each calendar month for the previous month. The odor survey summary log shall include all information outlined by Condition 3-Table 1(f)(2)(v)(A).	Reporting of odors in accordance with Condition 3 - Table 1 (f)(2)(x)(A).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(2)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall comly with the following: Research and explore various H2S generation reduction strategies and control options and implement these strategies as necessary so that the H2S concentration in the landfill gas remains consistently low and meets the Ambient Air Quality Standard (AAQS) outlined by 7 DE Admin Code 1103, Section 9 for this pollutant. The facility must submit an annual report to the Department by the end of March of each calendar year for the previous year summarizing its findings including which strategies and control options have been implemented for H2S generation reduction.	Compliance with researching H2S reduction methods in accordance with Condition 3 - Table 1 (f)(2)(x)(B).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(2)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance is demonstrated if the owner/operator has no knowledge to the contrary and has no prior history of exceedances.	Compliance with Condition 3(c)(3) in accordance with Condition 3 - Table 1 (f)(2)(xi).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(A) All structural and mechanical components of the equipment covered by this permit shall be maintained in proper operating condition and such equipment shall be operated at all times in a manner consistent with good air pollution control practice.	Record keeping of equipment maintenance in accordance with Condition 3 - Table 1 (f)(3)(iii)(A).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(B) No person shall cause or allow land clearing, land grading (including grading for roads), excavation, or use of non-paved roads on private property unless methods, such as the application of water or the use of other techniques approved by the Department, are employed to control dust emission.	Record keeping of dust control actions in accordance with Condition 3 - Table 1 (f)(3)(iii)(B).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(C) No person shall cause or allow visible particulate emissions of any material being transported by a motor vehicle.	Record keeping of visible particulate emissions in accordance with Condition 3 - Table 1 (f)(3)(iii)(C).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(D) No person shall cause or allow stockpiling or other storage of material or transport to or from a storage facility in such a manner as may cause a condition of air pollution.	Record keeping of stockpiling practices in accordance with Condition 3 - Table 1 (f)(3)(iii)(D).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(3)(v).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(vi)(A) Each month, the owner/operator shall monitor the operational limitations specified under Condition 3–Table 1(f)(3)(iii). The Company monitor all of the maintenance performed on equipment covered by this permit, and update records as needed.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (f)(3)(vi)(A).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(vi)(B) Each day, the Company shall monitor the methods used to store and transport material and the methods used for control of fugitive dust from loading, unloading, clearing, grading, and excavation.	Monitoring of storage, transport, and dust control methods in accordance with Condition 3 - Table 1 (f)(3)(vi)(B).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(3)(vii).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(3)(ix) In addition to that required by Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the monitoring performed in Condition 3–Table 1(f)(3)(vi).	Record keeping of monitoring data in accordance with Condition 3 - Table 1 (f)(3)(ix).	Continuous
Facility Wide	Condition 3 - Table 1(f)(3)(x) That required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit.	Compliance with Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit in accordance with Condition 3 - Table 1(f)(3)(x).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(xi)(A) In addition to that required by Condition 3(c)(3)of this permit, compliance wit the operational standards shall be demonstrated by the following: Compliance with the Condition 3–Table 1(f)(3)(iii)(A) shall be demonstrated by adherence to good engineering operations and work practices, and based upon record keeping for the proper operation and maintenance of the equipment covered by this permit.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (f)(3)(xi)(A).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(xi)(B) In addition to that required by Condition 3(c)(3)of this permit, compliance wit the operational standards shall be demonstrated by the following: Compliance with the Condition 3 – Table 1(f)(3)(iii)(B), (C), and (D) shall be demonstrated by record keeping.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (f)(3)(xi)(B).	Continuous

Facility Name: Cherry Island Landfill Operating Permit Number: AQM-003/00111 Reporting Period: 01/01/2017 TO 12/31/2017

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition No. 2(a)(2) Any report of deviations required under Conditions 3(c)(2)(ii) or 3(c)(2)(iii) that must be submitted to the Department within ten calendar days of discovery of the deviation, may be submitted in the first instance without a certification provided a certification meeting the requirements of Condition 2(a)(1) is submitted to the Department within ten calendar days thereafter, together with any corrected or supplemental information required concerning the deviation.	1. Did you submit a report of deviations required under Condition 3(c)(2)(ii) and/or 3(c)(2)(iii)? NO 1.a. If you marked "YES" indicate the number of reports submitted and the date of each report: 1.b. Did you submit any report identified above within ten (10) calendar days without a certification by the Responsible Official? NO 1.c. If you marked "YES" to 1.b., indicate the reports that were submitted without the certification by the Responsible Official: 1.d. If you marked "YES" to 1.b. did you submit a report meeting the requirements of Condition 2(a)(1) within ten (10) calendar days following the initial report for each of the reports identified in 1.c.? NOT APPLICABLE If you need additional space, complete Table No. 5.

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition No. 2(a)(3) Each document submitted to the Department/EPA pursuant to this permit shall be sent to the following addresses: State of Delaware – DNREC Division of Air Quality 655 S Bay Road, Suite 5N Dover, DE 19901 Attn: Director No. of Originals: 1 No. of Copies: 1 United States Environmental Protection Agency Associate Director of Enforcement (3AP12) 1650 Arch Street Philadelphia, PA 19103 No. of Copies: 1	2.a. Did you submit any documents? YES 2.b. If "YES," did you submit to both the Department and EPA using the addresses identified in your Operating Permit? YES 2.c. Did you submit the correct number of copies for each and every submittal? YES 2.d. If you marked "NO," to 2.b. and/or 2.c., are you now submitting the document(s) with the Annual Compliance Certification? NOT APPLICABLE If you marked "YES" to 2.d., use Table 6 to attach and identify those documents that are being submitted with the Annual Compliance Certification.
Condition No. 2(h) The Owner/Operator shall pay fees to the Department consistent with the fee schedule established by the Delaware General Assembly.	3. Did you pay fees to the Department consistent with the fee schedule established by the Delaware General Assembly? YES

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition No. 2(p) Risk Management Plan Submissions 1. In the event this stationary source, as defined in the State of Delaware "**Accidental Release Prevention (ARP) Regulation**" Section 4, is subject to or becomes subject to Section 5 of the "**ARP Regulation**" (as amended March 11, 2006), the owner or operator shall submit a risk management plan (RMP) to the Environmental Protection Agency's RMP Reporting Center by the date specified in Section 5.10 and required revisions as specified in Section 5.190. A certification statement shall also be submitted as mandated by Section 5.185. 2. If this stationary source, as defined in the State of Delaware "**ARP Regulation**" Section 4, is not subject to Section 5 but is subject or becomes subject to Section 6 of the "**ARP Regulation**" (as amended March 11, 2006), the owner or operator shall submit a Delaware RMP to the State of Delaware Accidental Release Prevention Group by the date specified in Section 6.6.10 and required revisions as specified by Section 6.6.1.	4. Are you subject to Section 5 of the "**ARP Regulation**"? NO 4.a. If you marked "YES" did you submit the following: 4.a.1. A risk management plan by the date specified in Section 5.10? N/A 4.a.2. Required Revisions as specified in Section 5.190? N/A 4.a.3. A certification statement as mandated by Section 5.185? N/A 4.b. If you marked "NO" to 4.a. did you submit a compliance schedule to the Department pursuant to Regulation No. 30 Section 5(d)(8)? NOT APPLICABLE
	5. Are you subject to Section 6 of the "**ARP Regulation**"? NO 5.a. If you marked "YES" did you submit the following: 5.a.1. A Delaware RMP by the date specified in Section 6.6.10? N/A 5.a.2. Required revisions as specified by Section 6.6.1? N/A 5.b. If you marked "NO" to 5.a. did you submit a compliance schedule to the Department pursuant to Regulation No. 30 Section 5(d)(8)? NOT APPLICABLE
Condition No. 2(q) Stratospheric Ozone, 40 CFR Part 82	6. Are you subject to the provisions of Stratospheric Ozone, 40 CFR Part 82? NO 6.a. If you marked "YES" complete Table 1 and indicate your compliance status with respect to each permit term and condition.

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(b) Compliance Determination Methodology The Owner/Operator shall maintain records of all required monitoring data and support information for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all original strip chart recordings, where appropriate, for continuous monitoring instrumentation, and copies of all reports required by the permit. Where appropriate, the permit may specify that records may be maintained in computerized form.	7. Are you maintaining records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application? YES
Condition 3(b)(1)(i) The Owner/Operator shall comply with the operational limitations, monitoring, testing, and record keeping requirements detailed in Condition 3 – Table 1 which are in addition to those in Conditions 3(b)(1)(ii) and 3(b)(2).	8. Did you comply with each Compliance Determination Methodology (i.e. did you conduct the compliance determination methodology as frequently and in the manner specified by the operating permit) specified in Condition 3 – Table 1 for each associated permit term and condition? YES

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(b)(1)(ii) General Testing Requirements Upon written request of the Department, the Owner/Operator shall, at the Owner/Operator's expense, sample the emissions of, or fuel used by, an air contaminant emission source, maintain records and submit reports to the Department on the results of such sampling.	9. Did the Department request that you conduct any sampling of emissions or fuel used? NO 9.a. If you marked "YES," provide a brief description of the testing requirement: Emission Unit ID / Date of Sampling / Compliance Status IN COMPLIANCE IN COMPLIANCE IN COMPLIANCE IN COMPLIANCE If you need additional space, provide information in Table No. 5. 9.b. If you marked "YES," did you conduct the sampling in the timeframe and by the protocol established by the Department for each test required? NOT APPLICABLE 9.c. If you marked "YES," did you submit reports to the Department of the results for each test required? NOT APPLICABLE 9.d. If you marked "YES," are you maintaining records for each test required? NOT APPLICABLE 9.e. If you marked "NO" to 9.b., 9.c., and/or 9.d., submit a deviation report for each and every deviation. Use Table 4 to complete this information.

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(b)(2)(i) General Record Keeping Requirements If required, for each operating scenario identified in Condition 3 – Table 1 of this permit, a log that indicates the operating scenario under which each particular emission unit is operating. The Owner/Operator shall, contemporaneously with changing from one operating scenario to another, record in this log the time at which the operating scenario under which it is operating has changed.	10. Does your permit contain Alternate Operating Scenarios in Condition 3 – Table 1? NO 10.a. If you marked "YES," identify the emission units and the Alternate Operating Scenario(s) for each emission unit: 10.b. If you marked "YES," to 10 did you maintain a log for each emission unit and corresponding Alternate Operating Scenario? NOT APPLICABLE 10.c. If you marked "YES," to 10 did you contemporaneously with changing from one operating scenario to another, record in this log the scenario under which the emission unit is operating for each emission unit and corresponding Alternate Operating Scenario and the time at which the operating scenario changed? NOT APPLICABLE 10.d. If you marked "NO" to 10.b. and/or 10.c., complete Table No. 4.
Condition 3(b)(2)(ii) General Record Keeping Requirements The following information to the extent specified in Condition 3 – Table 1 of this permit. A. The date, place, and time of the sampling or measurements. B. The dates analyses were performed. C. The Owner/Operator or entity that performed the analysis. D. The analytical techniques or methods used. E. The results of such analyses. F. The operating conditions as existing at the time of sampling or measurement.	11. Are you maintaining the information required? YES
Condition 3(b)(2)(iv) A copy of the written notice request by Condition 3(c)(2)(iii) for each change made for each change made under Condition 4(c) [Operational Flexibility] of this permit shall be maintained with a copy of the permit.	12. Are you maintaining a copy of the written notice for each change made under Condition 4(c) [Operational Flexibility] with a copy of the permit? NOT APPLICABLE

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(c)(1) Specific Reporting/Certification Requirements The Owner/Operator shall comply with the Reporting/Certification Requirements detailed in Condition 3 – Table 1 of this permit, which are in addition to those of Conditions 3(c)(2) and 3(c)(3) of this permit. Each report that contains any deviations from the terms of Condition 3 – Table 1 shall identify the probable cause of the deviations and any corrective actions or preventative measures taken.	13.a. Did you comply with the Reporting/Certification Requirements detailed in Condition 3 – Table 1 of your Operating Permit? YES 13.b If you marked "NO," did you submit deviation reports for each instance where the Reporting/Certification requirements detailed in Condition 3 – Table 1 were not met? NOT APPLICABLE 13.c If you marked "NO," to 13.b, are you submitting the information with this Annual Compliance Certification? NOT APPLICABLE
Condition 3(c)(2)(i) General Reporting Requirements The Owner/Operator shall submit to the Department a report of any required monitoring not later than the first day of August (covering the period from January 1 through June 30 of the current calendar year) and the first day of February (covering the period from July 1 through December 31 of the previous calendar year) of each calendar year. Each report shall identify any deviations from the monitoring, record keeping, and reporting requirements under this permit; and the probable cause of the deviations; and any corrective actions or preventative measures taken. If no deviations have occurred, such shall be stated in the report.	14. For the reporting period of this compliance certification, did you submit the Semi-Annual Reports by the deadlines specified in the permit? YES 14.a. If you marked "NO," did you submit the Semi-Annual Report to the Department? NOT APPLICABLE 14.b. If you marked "YES" to 14.a., please identify the report(s) that were submitted late: NOT APPLICABLE If you marked "NO" to 14.a., submit a compliance schedule to submit the Semi-Annual Report(s) to the Department. Attach the compliance schedule and label as Attachment No. AQM-1001BB-1.

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(c)(2)(ii)(A) In addition to the semi-annual monitoring reports required under Condition 3(c)(2)(i), the Owner/Operator shall submit to the Department supplemental written reports and/or notices identifying all deviations from permit conditions, probable cause of the deviations, and any corrective actions or preventative measures as follows: If the Owner/Operator is claiming the affirmative defense of emergency or malfunction as provided in Condition 2(b)(5) of this permit, a notice of any deviation resulting from emergency or malfunction conditions shall be reported to the Department within two working days of the time when the technology-based emission limitations were exceeded. Such notice shall contain a description of the emergency or malfunction, any steps taken to mitigate emissions, and any corrective actions taken.	15. Did you submit any claims of affirmative defense of emergency or malfunction as provided in Condition 2(b)(5) of the operating permit? NO 15.a. If you marked "YES," identify the notice(s) submitted to the Department including the date of the emergency or malfunction, date notice submitted to the Department and a brief description of the malfunction: NOT APPLICABLE
Condition 3(c)(2)(ii)(B) In addition to the semi-annual monitoring reports required under Condition 3(c)(2)(i), the Owner/Operator shall submit to the Department supplemental written reports and/or notices identifying all deviations from permit conditions, probable cause of the deviations, and any corrective actions or preventative measures as follows: Emission in excess of any permit condition or emissions which create a condition of air pollution shall be reported to the Department immediately upon discovery and after activating the appropriate site emergency plan, in the following manner: 1. Emissions that pose an imminent and substantial danger to public health, safety or the environment must be reported by calling the Department's Environmental Emergency Notification and Complaint Number (800) 662-8802. 2. Emissions in excess of any permit condition or emissions which create a condition of air pollution but do not pose an imminent and substantial danger to public health, safety or the environment must either be called in to the Environmental Emergency Notification and Complaint number (800) 662-8802 or faxed to (302) 739-2466. The ability to fax notifications to the Department may be revoked by the Department upon written notice to the Company and at the Department's sole discretion.	16. Did you report any emissions in excess of any permit condition or emissions which create a condition of air pollution in accordance with Condition 3(c)(2)(ii)(B)? NO If you marked "YES," identify the reports submitted to the Department including the date of the emissions in excess of any permit condition or emissions which create a condition of air pollution, date of report, and a brief description of the incident: NOT APPLICABLE

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(c)(2)(ii)(C) All emissions in excess of any permit condition or emissions which create a condition of air pollution shall be reported to the Department in a written report pursuant to Condition 3(c)(2)(i) and/or the specific reporting requirements listed in Condition 3 – Table 1 of this permit.	17. Did you report any emissions in excess of any permit conditions or emissions which created a condition of air pollution in a written report pursuant to Condition 3(c)(2)(i) and/or the specific reporting requirements listed in Condition 3 – Table 1? NO 17.b. If you marked "YES," identify the reports submitted to the Department: NOT APPLICABLE
Condition 3(c)(2)(ii)(D) Discharges to the atmosphere in excess of any quantity specified in the 7 Del. C., Section 6028 ("**Reporting of a Discharge of a Pollutant or an Air Contaminant**" Regulation) shall be reported, immediately upon discovery and after activating the appropriate site emergency plan, either in person to the Department's 24-hour Environmental Emergency Notification and Complaint line (1-800-662-8802). Discharges in compliance with this permit and excess emissions previously reported under Condition 3(c)(2)(ii)(B) of this permit are exempt from this reporting requirement.	18. Did you report any discharges to the atmosphere in excess of any quantity specified in the 7 Del. C., Section 6028 "**Reporting of a Discharge of a Pollutant or an Air Contaminant**" Regulation? NO 18.a. If you marked "YES," identify the number of discharges reported including the date of discharge, reporting personnel, and date you reported: NOT APPLICABLE 18.b. If you marked "YES," did you report immediately upon discovery and after activating the appropriate site emergency plan? NOT APPLICABLE 18.c. If you marked "YES," did you report in person or to the Department's 24 hour complaint line? NOT APPLICABLE
Condition 3(c)(2)(iv) The Owner/Operator shall submit to the Department an annual emissions statement in accordance with Regulation No. 17 Section 7 not later than April 30 of each year, or other date as established by the Department, unless an extension by the Department is granted. Such emissions statement shall cover the preceding calendar year.	19. Did you submit your annual emissions statement by the deadline as required by the Department? YES

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(c)(2)(v) If required, the Owner/Operator shall submit to the Department a progress report for applicable requirements identified in Condition 5 – Table 1 of this permit. Such reports shall be submitted not later than the first day of August (covering the period from January 1 through June 30 of the current calendar year) and the first day of February (covering the period July 1 through December 31 of the previous calendar year) of each calendar year. Each progress report shall include the following: A. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved. B. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative of corrective measures adopted.	20. Is Condition No. 5 applicable to this facility? NO 20.a. If you marked "YES," did you submit the progress reports by August 1 (covering the period January 1 through June 30 of the current calendar year) and February 1 (covering the period July 1 through December 31 of the previous calendar year)? NOT APPLICABLE 20.b. If you marked "NO" to 20.a., indicate the date the report(s) was submitted: NOT APPLICABLE 20.c. If you marked "YES" to 20.a. did each progress report contain the information specified in Conditions 3(c)(2)(v)(A) and 3(c)(2)(v)(B)? NOT APPLICABLE
Condition 4(a) In addition to the operational flexibility specifically provided in the terms and conditions detailed in Condition 3 – Table 1 of this permit, the Owner and/or Operator is authorized to make any changes within the facility which contravenes the terms and conditions of this permit without a permit revision if the change: 1. Is not a modification or otherwise prohibited under any provision of Title I of the Act or the State Implementation Plan (SIP); and 2. Does not involve a change in any compliance schedule date; and 3. Does not result in a level of emissions exceeding the emissions allowable under this permit, whether expressed herein as a rate of emissions or in terms of total emissions.	21. Did all requests submitted under Condition No. 4(a) meet the requirements specified in Condition 4(a)(1) through (3)? NOT APPLICABLE 21.a. If you marked "NO," identify the request(s) that failed to meet the criteria and why. If you need additional space, use Table No. 5. NOT APPLICABLE

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 4(b) Before making a change under the provisions of Condition 4(a) of this permit, the Owner and/or Operator shall provide advance written notice to the Department and to the EPA in accordance with Condition 3(c)(2)(iii) of this permit.	22. Did you submit any requests to the Department pursuant to this provision? NO 22.a. If you marked "YES," provide the date of any and all submittals. Complete all information contained in Part B – Compliance Status – Table 1 for each submittal. NOT APPLICABLE 23. Did you submit a copy of each of the above requests to EPA? NOT APPLICABLE
Condition No. 4(c) The Owner and/or Operator shall keep records of any change made under Condition 4 of this permit in accordance with Condition 3(b)(2)(iv) of this permit.	24. Are you maintaining records for each submittal? (Records are to be maintained for a minimum of five (5) years.) NOT APPLICABLE
Condition 3(c)(2)(iii) Prior to making a change as provided in Condition 4 [Operational Flexibility] of this permit the Owner/Operator shall give written notice to the Department and the EPA at least seven calendar days before the change is to be made.	25. Did you make any changes as provided in Condition 4 [Operational Flexibility]? NO 25.a. If you marked "YES," indicate the number of changes you requested, a brief description of the change, and the date of the request: NOT APPLICABLE 25.b. If you marked "YES," did you submit written notice for each change to the Department and EPA Region III at least seven calendar days before the change was made? NOT APPLICABLE 25.c. If you marked "NO," proceed to question no. 26.

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(c)(2)(iii)(A) The seven day period may be shortened or eliminated as necessary for a change that must be implemented more quickly to address unanticipated conditions posing a significant health, safety, or environmental hazard.	26. Was the change as provided in Condition 4 [Operational Flexibility] shortened or eliminated in order to address unanticipated conditions posing a significant health, safety, or environmental hazard? NOT APPLICABLE 26.a. If you marked "NO," state why the seven day period was shortened or eliminated: NOT APPLICABLE
Condition 3(c)(2)(iii)(B) If less than seven calendar days notice is provided because of a need to respond more quickly to such unanticipated conditions, the Owner/Operator shall provide notice to the Department and to EPA as soon as possible after learning of the need to make the change, together with the reasons why advance notice could not be given.	27. Did you provide less than seven calendar days notice for any notice submitted pursuant to Condition 4 [Operational Flexibility]? NOT APPLICABLE 27.a. If you marked "YES," identify the notices that were provided with less than seven calendar days notice. Include the date of the notice and a brief description of the change. NOT APPLICABLE 27.b. If you marked "YES," did you provide the Department and EPA with notice for each notice as soon as possible after learning of the need to make the change, together with the reasons why advance notice could not be given? NOT APPLICABLE
Condition 3(c)(2)(iii)(C) The written notice shall include all of the following information: 1. The identification of the affected emission units and a description of the change to be made. 2. The date on which the change will occur. 3. Any changes in emissions. 4. Any permit terms and conditions that are affected, including any new applicable requirements.	28. Did the written notices include the information listed in Condition 3(c)(2)(iii)(C)? NOT APPLICABLE

If you indicated a response of "NO" to any of the questions identified within Table No. 2, review and submit as "deviations" using Table No. 4 if the response indicates that a deviation occurred. If you have already reported the deviation, indicate the date and document under which the deviation was reported. If you need additional space to further explain any of your responses under Table No. 2, use Table No. 5.

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
1	Condition 3 -Table 1 (a)(1)(i) The flares shall be operated with no visible emissions as determined by Reference Method 22 (RM 22), except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours.	Monitoring of emissions from flares in accordance with Condition 3 - Table 1 (a)(1)(i).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(A) Each portable passive flare shall be used for temporary installation and operation only as odor control device. The passive flares do not in any way relieve the Company of the requirements of Condition 3–Table 1(b), (c) & (d), and cannot be used as a substitute control device.	Record keeping of passive flare use in accordance with Condition 3 - Table 1 (a)(1)(iv)(A).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(B) Each portable passive flare assembly shall be tagged with a permanent identification that designates and identifies an individual flare unit. This designation shall be used in all relocation correspondence.	Record keeping of passive flare identification in accordance with Condition 3 - Table 1 (a)(1)(iv)(B).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(C) The identification tag shall be of a physical form approved by the Department, such as a welded or riveted plate or engraving.	Record keeping of identification form in accordance with Condition 3 - Table 1 (a)(1)(iv)(C).	NO	

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1	Condition 3 - Table 1 (a)(1)(iv)(D) Each flare unit and connected piping system shall be maintained in proper operating condition.	Monitoring of flare unit condition in accordance with Condition 3 - Table 1 (a)(1)(iv)(D).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(E) Each flare unit shall be equipped with a flame arrester to prevent flashback to the landfill.	Record keeping of passive flare flame arrester in accordance with Condition 3 - Table 1 (a)(1)(iv)(E).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(F) Each flare unit relocation shall be for a period of time not to exceed 180 days unless another time period is submitted to and approved by the Department. Any request to extend that time period shall be submitted to the Department a minimum of 30 days prior to expiration of the 180 days.	Record keeping of passive flare usage in accordance with Condition 3 - Table 1 (a)(1)(iv)(F).	NO	
1	Condition 3 - Table 1 (a)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Monitoring and record keeping in accordance with Condition 3 - Table 1 (a)(1)(v).	NO	
1	Condition 3 - Table 1 (a)(1)(vi)(A) The number of hours and days each flare is in use.	Monitoring of passive flare usage in accordance with Condition 3 - Table 1 (a)(1)(vi)(A).	NO	
1	Condition 3 - Table 1 (a)(1)(vi)(B) The operational limitations of Condition 3–Table 1(a)(1)(iv).	Monitoring and record keeping in accordance with Condition 3 - Table 1 (a)(1)(vi)(B).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
1	Condition 3 - Table 1 (a)(1)(vii) In addition to that required by Condition 3(b)(1)(ii) of this permit, the owner/operator shall conduct a daily visible emissions observation on passive flares in use Monday - Friday, excluding holidays and weather related closing, for at least ten (10) minutes.	Testing in accordance with Condition 3 - Table 1 (a)(1)(vii).	NO	
1	Condition 3 - Table 1 (a)(1)(ix) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(c)(2) of this permit, the Company shall maintain records of the information monitored in Condition 3 – Table 1(a)(1)(vi).	Record keeping in accordance with Condition 3 - Table 1 (a)(1)(ix).	NO	
1	Condition 3 - Table 1 (a)(1)(x)(A) A notification to the Department within 24 hours after relocation of flares within or to any DSWA landfill sites. This notification can be made via email or fax which includes the following information:	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(A)(1) Which flare(s) is (are) being relocated.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(1).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(A)(2) The site of the relocated flare(s).	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(2).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(A)(3) The reason for the flare(s) relocation.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(3).	YES	Separate reports submitted throughout operating period

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
1	Condition 3 - Table 1 (a)(1)(x)(A)(4) The date and time the flare(s) was (were) relocated.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(4).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(A)(5) The intended period of time the flare(s) is(are) proposed for use at that location.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(5).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(B) The Company shall calculate/estimate the emissions from all passive flares used at the site based on actual hours of operation and include this information in the annual emissions inventory report.	Reporting of passive flare emissions in accordance with Condition 3 - Table 1 (a)(1)(x)(B).	YES	April 27, 2017
1	Condition 3 - Table 1 (a)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance shall be based on monitoring, records keeping and reporting requirements of this section.	Record keeping in accordance with Condition 3 - Table 1 (a)(1)(xi).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(i) The flare shall be operated with no visible emissions as determined by Reference Method 22, except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours.	Monitoring of flare visible emissions in accordance with Condition 3 - Table 1 (b)(1)(i).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(A)(1) NOx: A rate of 0.025 pound per million BTU for each Low-NOx enclosed flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(1).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(A)(2) NOx: 11.95 tons per 12-month rolling period for each Low-NOx enclosed Flare, and a total of 23.9 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(2).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(B)(1) CO: A rate of 0.06 pound per million BTU for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(1).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(B)(2) CO: 57.4 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(2).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(C)(1) PM: A rate of 2.3 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(1).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(C)(2) PM: 16 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(2).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(D) NMOC: 0.61 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(D).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(E)(1) SOx: A rate of 19.7 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(1).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(E)(2) SOx: 77 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(2).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(F)(1) HCl: A rate of 0.28 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(1).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(F)(2) HCl: 1.11 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(2).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(A) The flares shall be operated with a flame present at all times and shall be operated at all times when collected landfill gas is routed to the system.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(B) The flare flame detection device shall be in proper operation whenever the flare is in operation.	Record keeping of flame detection device operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(B).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(C) The owner/operator shall adhere to the flare gas heat content specifications in 40 CFR 60, Subpart A, §60.18(c)(3)(ii) dated 7/1/05 and the flare exit velocity specifications in 40 CFR 60, Subpart A, §60.18(c)(4) dated 7/1/05.	Record keeping of flare gas heat content and exit velocity in accordance with Condition 3 - Table 1 (b)(1)(iii)(C).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(D) Landfill gas flow shall be diverted to the flare system for combustion within one (1) hour of gas compression plant shutdown during normal operating hours and within four (4) hours outside of normal operating hours. Normal operating hours shall mean Monday through Friday, 0700 hours until 1500 hours, excluding holidays and weather-related landfill closings.	Record keeping of response time to shut downs in accordance with Condition 3 - Table 1 (b)(1)(iii)(D).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(E) The flares shall be operated according to the latest startup, shutdown, and malfunction plan (SSMP) during all periods of startup, shutdown, and malfunction.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(E).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(F) All structural and mechanical components of the flare and gas collection and treatment system shall be maintained in proper operating condition.	Record keeping of flare and gas system maintenance in accordance with Condition 3 - Table 1 (b)(1)(iii)(F).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(G) The flare shall have an NMOC destruction efficiency of at least 98%.	Record keeping of NMOC destruction efficiency in accordance with Condition 3 - Table 1 (b)(1)(iii)(G).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iv)(A) The flares shall be operated in conjunction with the gas collection system to control odors as a top priority.	Monitoring of flare operation to reduce odors in accordance with Condition 3 - Table 1 (b)(1)(iv)(A).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2 and 3	*Condition 3 - Table 1 (b)(1)(iv)(B) The total amount of landfill gas burned through ZULE-A and ZULE-B shall be no more than 3,780 MMscf (million standard cubic foot) per 12-month rolling period.	Record keeping of the amount of landfill gas burned through ZULE-A and ZULE-B in accordance with Condition 3 - Table 1 (b)(1)(iv)(B).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(iv)(C) The maximum flow to the each flare shall be no more than 4,500 scfm (standard cubic foot per minute).	Record keeping of flare flow in accordance with Condition 3 - Table 1 (b)(1)(iv)(C).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iv)(D) The flare shall be operated as per the manufacturer's recommendation. Flare operating parameters shall include but are not limited to flare flow rate, flame temperature and residence time.	Record keeping in accordance with Condition 3 - Table 1 (b)(1)(iv)(D).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(v) Compliance with the standards and limitations will be demonstrated by adherance to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping in accordance with Condition 3 - Table 1 (b)(1)(v).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(A) The owner/operator shall monitor the flare to ensure that it is operated and maintained in conformance with its design.	Monitoring flare operation in accordance with Condition 3 - Table 1 (b)(1)(vi)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(B) The owner/operator shall monitor the presence of a flare pilot flame by using a thermocouple or any other equivalent device to detect the presence of a flame.	Monitoring of flare pilot flame in accordance with Condition 3 - Table 1 (b)(1)(vi)(B).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(C) The owner/operator shall monitor the flare flame monitoring equipment shall be inspected monthly.	Record keeping of flame monitoring equipment inspection in accordance with Condition 3 - Table 1 (b)(1)(vi)(C).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(D) The owner/operator shall monitor the flow rate of landfill gas to the flare each day.	Monitoring gas flow rate in accordance with Condition 3 - Table 1 (b)(1)(vi)(D).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(E) The owner/operator shall monitor the operational standards and limitations of Condition 3–Table 1(b)(1)(iii) & (iv).	Monitoring the operational standards and limitations in accordance with Condition 3 - Table 1 (b)(1)(vi)(E).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(vi)(F) The owner/operator shall monitor compliance with the opacity requirements of Condition 3-Table 1(b)(1)(i) shall be determined once per quarter using RM 22 while flares are in operation from 40 CFR 60, Appendix A, dated 7/1/05. If visual emissions are determined to be in excess of the limitation in Condition 3-Table 1(b)(1)(i), the Company shall take all means necessary to minimize emissions and to operate the flare without visible emissions.	Monitoring the opacity requirements in accordance with Condition 3 - Table 1 (b)(1)(vi)(F).	NO	

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2 and 3	Condition 3 - Table 1 (b)(1)(vi)(G) While in operation, a flow meter shall be used to continuosly monitor and record the gas flow rate to the flare. The owner/operator shall follow all applicable requirements for the landfill outlined by 40 CFR Part 60.756-Monitoring of operations and 40 CFR Part 60.18(c)-General control device requirements (for flares).	Monitoring of flow rates in the flares in accordance with Condition 3 - Table 1 (b)(1)(vi)(G).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vii)(A) The performance of the flow monitor shall be demonstrated at least once each year by passing the tests given in 40 CFR 60 Appendix B, Performance Specification 6 except for calibration drift.	Testing of flow monitor in accordance with Condition 3 - Table 1 (b)(1)(vii)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vii)(B) The owner/operator shall notify the Department at least thirty (30) days prior to any flow monitor test to give the Department the opportunity to witness the test.	Testing of flow monitor in accordance with Condition 3 - Table 1 (b)(1)(vii)(B).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(vii)(C) DSWA may use GEM testing and lab sample analysis results to perform calculations referred by Condition 3-Table 1(b)(iii)(C) quarterly basis. The Company shall perform calculations once per calendar year as identified by federal regulation 40 CFR 60, Subpart A, §60.18(f)(3).	Testing in accordance with Condition 3 - Table 1 (b)(1)(vii)(C).	NO	

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2 and 3	Condition 3 - Table 1 (b)(1)(ix)(A) Periods of operation for each flare.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(ix)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(B) Reason flare is not in operation.	Record keeping of reason for flare down time in accordance with Condition 3 - Table 1 (b)(1)(ix)(B).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(C) Daily, monthly and 12-month rolling usage of landfill gas to each flare.	Record keeping of landfill gas usage in accordance with Condition 3 - Table 1 (b)(1)(ix)(C).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ix)(D) RM 22 records.	Record keeping of visible emissions in accordance with Condition 3 - Table 1 (b)(1)(ix)(D).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(E) Inspection and maintenance records of flares including flame and pilot flame monitoring.	Record keeping of inspections and maintenance of flares in accordance with Condition 3 - Table 1 (b)(1)(ix)(E).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ix)(F) The monthly and rolling twelve (12) month total emissions shall be calculated by using landfill gas flow rate to each flare, hours of flare operation , site specific data, stack test results and AP-42 factors as appropriate, and recorded each month in a log for each of the following pollutants: Nitrogen oxides; Carbon monoxide; Particulates Matter; Non-methane organic compounds; Sulfur oxides; and Hydrochloric acid.	Record keeping of emissions totals in accordance with Condition 3 - Table 1 (b)(1)(ix)(F).	NO	

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2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(1) The Company shall keep records of the Data showing flame presence;	Record keeping of flame presence in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(1).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(2) The Company shall keep records of the Inspections of flare monitoring equipment;	Record keeping of inspections in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(2).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(3) The Company shall keep records of the Flare velocity and landfill gas BTU content data;	Record keeping of gas velocity and heat content in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(3).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ix)(G)(4) The Company shall keep records of the a statement of qualifications of personnel performing Method 22.	Record keeping of personnel qualifications in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(4).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(5) The Company shall keep records of the Calibration records for all flow meters;	Record keeping of flow meter calibration in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(5).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(6) The Company shall keep records of the Landfill gas test information, including test protocol, raw data and final report; and	Record keeping of gas testing information in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(6).	NO	

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2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(7) The Company shall keep records of All parts of the startup, shutdown and malfunction plan, including: The occurrence and duration of each startup, shutdown, or malfunction of operation; The occurrence and duration of each malfunction of the air pollution control and monitoring equipment; All required maintenance performed on the air pollution control and monitoring equipment; Actions taken during period of startup, shutdown, and malfunction (including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation) when such actions are different from the procedures specified in the startup, shutdown, and malfunction plan; and All information necessary to demonstrate compliance with the startup, shutdown, and malfunction plan when actions are consistent with the plan.	Record keeping of SSMP occurrences in accordance with Condition 3 - Table 1 (b)(2)(ix)(G)(7).	NO	

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2 and 3	Condition 3 - Table 1 (b)(1)(x)(A) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department semi-annual reports of all operational exceedances that contain the value and length of time for exceedance of parameters monitored under Condition 3– Table 1(b)(1)(vi).	Reporting of operational exceedances through semi-annual reports in accordance with Condition 3 - Table 1 (b)(1)(x)(A).	YES	Exceedances listed in Table 4, Operations Log shown in Attachment A
2 and 3	Condition 3 - Table 1 (b)(1)(x)(B) The owner/operator shall report actions within 2 working days, followed by a letter within 7 working days, following actions that are not consistent with the startup, shutdown, or malfunction plan.	Reporting actions inconsistent with SSMP in accordance with Condition 3 - Table 1 (b)(1)(x)(B).	YES	N/A
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(A) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall use RM22 of Appendix A 40 CFR Part 60 to determine compliance with the visible emissions provision of Condition 3 –Table 1(b)(1)(i).	Record keeping of visible emissions compliance in accordance with Condition 3 - Table 1 (b)(1)(xi)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(B) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall calculate the net heating value of the gas being combusted in the flare using the method specified in 40 CFR Part 60.18(f)(3).	Record keeping of gas net heating value in accordance with Condition 3 - Table 1 (b)(1)(xi)(B).	NO	

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2 and 3	Condition 3 - Table 1 (b)(1)(xi)(C) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall demonstrate compliance with the emission limitations of Condition 3 – Table 1(b)(1)(ii) each month based on the amount of gas combusted, actual NMOC, H2S, and methane concentrations, approved emission factors and good engineering assumptions.	Record keeping of emissions in accordance with Condition 3 - Table 1 (b)(1)(xi)(C).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(D) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall calculate emissions from the flares as identified by Condition 3-Table 1(b)(ix)(F) by the end of each month for the previous month.	Record keeping of emissions in accordance with Condition 3 - Table 1 (b)(1)(xi)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(A) Operate the collection system such that gas is collected from each area, cell, or group of cells in the landfill in which the solid waste has been in place for a period of: 5 years or more if active; or 2 years or more if closed or at final grade.	Record keeping of waste age and gas collection in accordance with Condition 3 - Table 1 (c)(1)(iii)(A).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(B) Operate the collection system to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment.	Record keeping of collection system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(B).	NO	

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4	Condition 3 - Table 1 (c)(1)(iii)(C) Operate the system such that all collected gases are vented to the gas treatment plant that processes the collected gas for subsequent sale or use and/or to permitted landfill gas flares that are designed and operated in accordance with §60.18	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(C).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(D) Operate the control or treatment system at all times when the collected gas is routed to the system.	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(E) In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour.	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(E).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(F) The provisions of this permit apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices.	Record keeping of SSM events in accordance with Condition 3 - Table 1 (c)(1)(iii)(F).	NO	

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4	Condition 3 - Table 1 (c)(1)(iii)(G) The owner/operator shall implement a program to monitor for cover integrity and implement cover repairs as per permit SW-06/01 dated 1/6/06 issued by the Solid and Hazardous Waste Management Branch, DNREC or as the permit is modified or renewed in future.	Monitoring of cover integrity in accordance with Condition 3 - Table 1 (c)(1)(iii)(G).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(H)(1) Operate the collection system with negative pressure at each wellhead except under condition the following conditions: A fire or increased well temperature; Use of geomembrane or synthetic cover, in which case the operator shall develop acceptable pressure limits in the design plan; or A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the Department.	Record keeping of collection system pressure in accordance with Condition 3 - Table 1 (c)(1)(iii)(H)(1).	NO	

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4	Condition 3 - Table 1 (c)(1)(iii)(H)(2) If a positive pressure exists, action shall be initiated by the Company to correct the exceedance within 5 calendar days, except for the three conditions allowed under paragraph H(1) above. If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards.	Record keeping of pressure exceedances in accordance with Condition 3 - Table 1 (c)(1)(iii)(H)(2).	NO	

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4	Condition 3 - Table 1 (c)(1)(iii)(I)(1) Operate each interior wellhead in the collection system with a landfill gas temperature less than 55C and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The Company may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens. Approval of gas wellhead operating temperature increase will be evaluated case-by-case basis.	Monitoring of gas temperature, nitrogen level, and oxygen level in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(1).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(I)(2) If a well exceeds one of the operating parameters specified in Condition 3-Table 1 (c)(iii)(I)(1), action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance.	Record keeping of gas temperature, nitrogen level, or oxygen level exceedances in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(2).	NO	

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4	Condition 3 - Table 1 (c)(1)(iii)(I)(3) Any attempted corrective measure shall not cause exceedances of other operational or performance standards.	Record keeping of corrective measures in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(3).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(I)(4) If corrective actions are taken as specified in paragraph(B) above, the monitored exceedance is not a violation of the operational requirements in this section.	Record keeping of corrective measures in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(4).	NO	

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4	Condition 3 - Table 1 (c)(1)(iii)(J) Operate the collection system so that the methane concentration is less than 500 parts per million above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator shall conduct surface testing around the perimeter of the collection area along a pattern that traverses the landfill at 30 meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30-meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.	Record keeping of surface emissions in accordance with Condition 3 - Table 1 (c)(1)(iii)(J).	NO	
4	Condition 3 - Table 1 (c)(1)(iv) All landfill gas monitoring shall be performed by trained personnel.	Record keeping of personnel training in accordance with Condition 3 - Table 1 (c)(1)(iv).	NO	

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4	Condition 3 - Table 1 (c)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping and monitoring in accordance with Condition 3 - Table 1 (c)(1)(v).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(A) The owner/operator shall measure gauge pressure in the gas collection header at each individual well, monthly.	Monitoring system pressure in accordance with Condition 3 - Table 1 (c)(1)(vi)(A).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(B) The owner/operator shall monitor each well for temperature and nitrogen or oxygen, monthly.	Monitoring system temperature and nitrogen or oxygen in accordance with Condition 3 - Table 1 (c)(1)(vi)(B).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(C) The owner/operator shall monitor surface concentrations of methane along the entire perimeter of the collection area and along a serpentine pattern spaced 30 meters apart (or a site-specific established spacing) for each collection area on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 60.755(d).	Monitoring surface methane emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C).	NO	

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4	Condition 3 - Table 1 (c)(1)(vi)(C)(1) Monitoring shall also be performed where visual observations, such as distressed vegetation and cracks or seeps in the cover, indicate elevated concentrations of landfill gas.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(1).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(C)(2) Areas with steep or otherwise dangerous areas may be excluded from the surface testing.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(2).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(C)(3) All penetrations from the landfill.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(3).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(D) Determine the background concentration by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(E) Develop a surface monitoring plan for methane that includes: A topographical map with the monitoring route identified and spaced at 30 meter intervals; The rational for any site-specific deviations from the 30 meter intervals; and All penetrations from the landfill.	Creating surface monitoring plan in accordance with Condition 3 - Table 1 (c)(1)(vi)(E).	NO	

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4	Condition 3 - Table 1 (c)(1)(vi)(F) Implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis.	Monitoring cover integrity in accordance with Condition 3 - Table 1 (c)(1)(vi)(F).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(G) Monitor training records for all personnel performing landfill gas monitoring and update records as needed.	Monitoring training records in accordance with Condition 3 - Table 1 (c)(1)(vi)(G).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(A) Perform surface emission monitoring in accordance with section "individual source survey" of Method 21 of 40 CFR Part 60, Appendix A, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vii)(A).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(B) The portable analyzer shall meet the instrument specifications provided in section "apparatus" of Method 21 of 40 CFR Part 60, Appendix A, except that "methane" shall replace all references to VOC.	Record keeping of analyzer specifications in accordance with Condition 3 - Table 1 (c)(1)(vii)(B).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(C) The calibration gas shall be methane, diluted to a nominal concentration of 500 ppm in air.	Record keeping of calibration gas in accordance with Condition 3 - Table 1 (c)(1)(vii)(C).	NO	

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4	Condition 3 - Table 1 (c)(1)(vii)(D) Follow "performance evaluation requirements" and "instrument evaluation procedures" of Method 21 of 40 CFR Part 60, Appendix A.	Record keeping of evaluations in accordance with Condition 3 - Table 1 (c)(1)(vii)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(E) The calibration procedures provided in Method 21 of Appendix A shall be followed immediately before commencing a surface monitoring survey.	Record keeping of calibration procedures in accordance with Condition 3 - Table 1 (c)(1)(vii)(E).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(F) The nitrogen level shall be determined using Method 3C of 40 CFR Part 60, Appendix A.	Monitoring nitrogen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(F).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G) The oxygen level shall be determined by an oxygen meter using Method 3A of 40 CFR Part 60, Appendix A except that:	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G)(1) The span shall be set so that the regulatory limit is between 20 and 50 percent of the span.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(1).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G)(2) A data recorder is not required.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(2).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G)(3) Only two calibration gases are required, a zero and a span, and ambient air may be used as the span.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(3).	NO	

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4	Condition 3 - Table 1 (c)(1)(vii)(G)(4) A calibration error check is not required.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(4).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G)(5) The allowable sample bias, zero drift, and calibration drift are plus/minus 10 percent.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(5).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(H) The NMOC emission rate shall be calculated using the appropriate equation provided in 40 CFR Part 60.754(a).	Record keeping of NMOC calculations in accordance with Condition 3 - Table 1 (c)(1)(vii)(H).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(I) Each month, the owner or operator shall sample the landfill gas using Department approved test methods to determine methane and H2S content. A dräger tube (or equivalent) test can be accepted for monthly determination of H2S in landfill gas along with a quarterly test by ASTM D5504 or EPA method 15/16. The owner or operator shall take measure to complete a quarterly test, and provide time for a repeat test within that quarter if necessary.	Monitoring methane and H2S content in accordance with Condition 3 - Table 1 (c)(1)(vii)(I).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(J) Each quarter, the owner or operator shall sample the landfill gas using Department approved test methods to determine NMOC content. EPA Method 25c can be used as the Department approved test method.	Monitoring NMOC content in accordance with Condition 3 - Table 1 (c)(1)(vii)(J).	NO	

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4	Condition 3 - Table 1 (c)(1)(viii) Training shall include but not be limited to such things as sampling methods, instrument calibration, instrument response time, instrument response factors, and calibration gases.	Record keeping of personnel training in accordance with Condition 3 - Table 1 (c)(1)(viii).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(A) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of thie permit, the Company shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.	Record keeping of landfill capacity data in accordance with Condition 3 - Table 1 (c)(1)(ix)(A).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(B) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of thie permit, the Company shall keep readily accessible records for the life of the control equipment of the data listed in the following as measured during the initial performance test or compliance determination.	Record keeping of gas system data in accordance with Condition 3 - Table 1 (c)(1)(ix)(B).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(B)(1) The maximum expected gas generation flow rate as calculated in §60.755(a)(1).	Record keeping of maximum calculated gas flow rate in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(1).	NO	

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4	Condition 3 - Table 1 (c)(1)(ix)(B)(2) The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 40 CFR Part §60.759(a)(1).	Record keeping of gas extraction devices in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(2).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(B)(3) The flare type (i.e., steam assisted, air-assisted, or nonassisted), all visible emission readings, heat content determination, flow rate or bypass flow rate measurements, and exit velocity determinations made during the performance test as specified in §60.18; continuous records of the flare pilot flame or flare flame monitoring and records of all periods of operations during which the pilot flame or the flare flame is absent.	Record keeping of flare type and data in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(3).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(C) Keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in Conditions 3 –Table 1(c)(1)(iii) & (iv) as well as up-to-date, readily accessible records for periods of during which the parameter boundaries established during the most recent performance test are exceeded.	Record keeping of operating parameters in accordance with Condition 3 - Table 1 (c)(1)(ix)(C).	NO	

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4	Condition 3 - Table 1 (c)(1)(ix)(D) Keep up-to-date, readily accessible continuous records of the indication of flow to the control device or indication of bypass flow.	Record keeping of flow control in accordance with Condition 3 - Table 1 (c)(1)(ix)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(E) Records of subsequent tests or monitoring including monitoring of H2S concentration in landfill gas shall be maintained for a minimum of 5 years.	Record keeping of tests and monitoring in accordance with Condition 3 - Table 1 (c)(1)(ix)(E).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(F) Records of the control device vendor specifications shall be maintained until removal.	Record keeping of vendor specifications in accordance with Condition 3 - Table 1 (c)(1)(ix)(F).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(G) Keep for the life of the collection system an up-to-date, readily accessible plot map showing each existing and planned collector in the system and provide a unique identification location label for each collector.	Record keeping of plot map in accordance with Condition 3 - Table 1 (c)(1)(ix)(G).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(H) Keep up-to-date, readily accessible records of the installation date and location of all newly installed collectors.	Record keeping of collector installation date and location in accordance with Condition 3 - Table 1 (c)(1)(ix)(H).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(ix)(I) Keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as well as any nonproductive areas excluded from collection.	Record keeping of asbestos-containing and nondegradable waste in accordance with Condition 3 - Table 1 (c)(1)(ix)(I).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(J) Keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards, the reading in the subsequent month whether or not the second reading is an exceedance, the location of each exceedance and any corrective actions taken on monitored exceedances.	Record keeping of collection and control system exceedances in accordance with Condition 3 - Table 1 (c)(1)(ix)(J).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(K) Record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports.	Record keeping of positive pressure in accordance with Condition 3 - Table 1 (c)(1)(ix)(K).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(L) The operational standards and limitations monitored in accordance with Conditions 3 - Table 1 (c)(1)(iii) & (iv).	Record keeping of the operational standards and limitations monitored in accordance with Conditions 3 - Table 1 (c)(1)(iii) & (iv). in accordance with Condition 3 - Table 1 (c)(1)(ix)(L).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(x)(A) An amended design capacity report when there is an increase in the design capacity of the landfill, whether the increase results from an increase in the area or depth of the landfill, a change in the operating procedures of the landfill, or any other means. The amended design capacity report shall be submitted within 90 days of the issuance of an amended construction or operating permit, or the placement of waste in additional land, or the change in operating procedures which will result in an increase in maximum design capacity, whichever occurs first.	Reporting of amended design capacity in accordance with Condition 3 - Table 1 (c)(1)(x)(A).	YES	N/A
4	Condition 3 - Table 1 (c)(1)(x)(B) The owner/operator shall submit to the Department compliance reports every 6 months (semi-annually) as specified in 40 CFR Parts 63.1980(a) and (b), and Condition 3-Table 1(c)(4)(x) including information on all deviations as defined in 40 CFR Part 63.1990 that occurred during the 6-month reporting period. The semi-annual reports are due by February 1 and August 1 of each calendar year.	Reporting of compliance in accordance with Condition 3 - Table 1 (c)(1)(x)(B).	YES	Report dated July 28, 2017 and This Report

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(x)(C) In addition to the information outlined in MACT requirement of this section, the owner/operator shall submit to the Department semi-annual reports of the recorded information in (1) through (6) below:	Reporting in accordance with Condition 3 - Table 1 (c)(1)(x)(C).	YES	Report dated July 28, 2017 and This Report
4	Condition 3 - Table 1 (c)(1)(x)(C)(1) Value and length of time for exceedance of applicable parameters monitored under Condition 3-Table 1(c)(1)(vi), and (c)(2)(vi).	Reporting of value and length of exceedances in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(1).	YES	Attachment B, C and D
4	Condition 3 - Table 1 (c)(1)(x)(C)(2) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow.	Reporting of gas bypass in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(2).	YES	Attachment A
4	Condition 3 - Table 1 (c)(1)(x)(C)(3) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating.	Reporting of control device down time in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(3).	YES	Attachment A
4	Condition 3 - Table 1 (c)(1)(x)(C)(4) All periods when the collection system was not operating in excess of 5 days.	Reporting of collection system down time in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(4).	YES	N/A

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(x)(C)(5) The location of each exceedance of the 500 parts per million methane concentration and the concentration recorded at each location for which an exceedance was recorded in the previous quarter.	Reporting of surface monitoring exceedances in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(5).	YES	Attachment D
4	Condition 3 - Table 1 (c)(1)(x)(C)(6) The date of installation and the location of each well or collection system expansion added along with new plot maps that indicate the locations of all new equipment.	Reporting of well location and installation in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(6).	YES	Attachment E
4	Condition 3 - Table 1 (c)(1)(x)(D) The owner/operator shall submit an NMOC emission rate report to the Department annually, except as provided for in paragraph (3) below. The Department may request such additional information as may be necessary to verify the reported NMOC emission rate.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D).	YES	April 27, 2017
4	Condition 3 - Table 1 (c)(1)(x)(D)(1) The NMOC emission rate report shall contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in §60.754 (a) or (b), as applicable.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(1).	YES	N/A

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(x)(D)(2) The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(2).	YES	N/A
4	Condition 3 - Table 1 (c)(1)(x)(D)(3) The Company subject to the requirements of this subpart is exempted from the requirements of paragraphs 1 and 2 of this section, after the installation of a collection and control system in compliance with Condition 3-Table 1(a), (c), (d) and (e), during such time as the collection and control system is in operation and in compliance with Condition 3 -Table 1(a), (c), (d), and (e).	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(3).	YES	N/A
4	Condition 3 - Table 1 (c)(1)(x)(E) The owner/operator shall submit the quarterly H2S concentration in LFG analysis results identified by Condition 3 - Table 1 (c)(1)(vii)(I) by the end of the each quarter for the previous quarter.	Reporting in accordance with Condition 3 - Table 1 (c)(1)(x)(E)	YES	March 28 and July 14, 2017 and January 23, 2018

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(xi)(A) For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with Condition 3– Table 1(c)(1)(iii)(B), the appropriate equation from 40 CFR Part 60.755(a)(1) shall be used. The k and Lo kinetic factors should be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42) or other site specific values demonstrated to be appropriate and approved by the Department. If k has been determined as specified in 60.754(a)(4), the value of k determined from the test shall be used. A value of no more than 15 years shall be used for the intended use period of the gas mover equipment. The active life of the landfill is the age of the landfill plus the estimated number of years until closure.	Record keeping of gas flow rate calculation in accordance with Condition 3 - Table 1 (c)(1)(xi)(A).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(B) If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under Condition 3–Table 1(c)(1)(iii)(I).	Record keeping of positive pressure corrective action in accordance with Condition 3 - Table 1 (c)(1)(xi)(B).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(xi)(C) If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measurement shall not cause exceedances of other operational or performance standards.	Record keeping of gas system expansion in accordance with Condition 3 - Table 1 (c)(1)(xi)(C).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(D) Installation of additional wells is not required during the first 180 days after gas collection system start-up.	Record keeping of new wells in accordance with Condition 3 - Table 1 (c)(1)(xi)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(E) If a well exceeds one of the operating parameters of Condition 3–Table 1(c)(1)(iii)(I), action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measurement shall not cause exceedances of other operational or performance standards.	Record keeping of corrective action in accordance with Condition 3 - Table 1 (c)(1)(xi)(E).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(xi)(F) Any reading of 500 ppm or more above background at any location shall be recorded as a monitored exceedance and the following actions shall be taken. As long as the following specified actions are taken, the exceedance is not a violation of the operational requirements.	Record keeping of surface monitoring exceedances in accordance with Condition 3 - Table 1 (c)(1)(xi)(F).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(F)(1) The location of each monitored exceedance shall be marked and the location recorded.	Record keeping of exceedance location in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(1).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(F)(2) Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within 10 calendar days of detecting the exceedance.	Record keeping of corrective actions in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(2).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(xi)(F)(3) If the re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be monitored again within 10 days of the second exceedance. If the re-monitoring shows a third exceedance for the same location, the action specified in Condition 3 – Table 1(c)(1)(xi)(F)(5) shall be taken, and no further monitoring of that location is required until the action specified in Condition 3 – Table 1(c)(1)(xi)(F)(5) has been taken.	Record keeping of remonitoring results in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(3).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(F)(4) Any location that initially showed an exceedance but has a methane concentration less than 500 ppm methane above background at the 10-day re-monitoring shall be re-monitored 1 month from the initial exceedance. If the 1-month re-monitoring shows a concentration less than 500 ppm above background, no further monitoring of that location is required until the next quarterly monitoring period. If the 1-month re-monitoring shows an exceedance, the actions specified in Condition 3 – Table 1(c)(1)(xi)(F)(3) or (5) shall be taken.	Record keeping of remonitoring in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(4).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(xi)(F)(5) For any location where monitored methane concentration equals or exceeds 500 ppm above background three times within a quarterly period, a new well or other collection device shall be installed within 120 calendar days of the initial exceedance. An alternative remedy to the exceedance, such as upgrading the blower, header pipes or control device, and a corresponding timeline for installation may be submitted to the Department for approval.	Record keeping of remonitoring results in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(5).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(G) Compliance with all standards and limitations of Condition 3 – Table 1(c)(1)(iii) and (iv) shall be based upon record keeping.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(1)(xi)(G).	NO	
4	Condition 3 - Table 1 (c)(2)(iv)(A) The wellhead valve(s) shall be closed.	Monitoring wellhead valves in accordance with Condition 3 - Table 1 (c)(2)(iv)(A).	NO	
4	Condition 3 - Table 1 (c)(2)(iv)(B) The remaining gas collection system shall be rebalanced and checked during the remainder of the current month and the following two months after valve closure to allow the collection system to adapt without the contribution of the decommissioned well(s).	Monitoring and record keeping of gas collection system rebalancing in accordance with Condition 3 - Table 1 (c)(2)(iv)(B).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(2)(iv)(C) After DNREC review of data and upon written approval from the Department for final abandonment, remove wellhead(s), cut and cap the vacuum line and gas well casing a minimum of three (3) feet below ground, backfill with soil as appropriate, and repair cap. The initial approval for well decommissioning from the Division of Air Quality does not preclude any requirements by the Department's Solid and Hazardous Waste Management Branch (SHWMB).	Record keeping of gas well removal in accordance with Condition 3 - Table 1 (c)(2)(iv)(C).	NO	
4	Condition 3 - Table 1 (c)(2)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(2)(v).	NO	
4	Condition 3 - Table 1 (c)(2)(vi)(A) The owner/operator shall monitor the average weekly flow rate of landfill gas collected at the flare/gas station for three (3) months after the well(s) decommissioning and compare with the three (3) months prior to well(s) decommissioning to determine if gas collection has increased, decreased or remained constant as a result of the decommissioning of the extraction points.	Monitoring of collected flow rate in accordance with Condition 3 - Table 1 (c)(2)(vi)(A).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(2)(vi)(B) The Company shall conduct monthly surface monitoring in the vicinity of the decommissioned well(s) for three (3) consecutive months after initial well decommissioning to determine if additional wells are needed to control fugitive gas emissions or if the decommissioned well(s) need to be returned to service.	Monitoring of surface emissions in accordance with Condition 3 - Table 1 (c)(2)(vi)(B).	NO	
4	Condition 3 - Table 1 (c)(2)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (c)(2)(vii).	NO	
4	Condition 3 - Table 1 (c)(2)(ix) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the monitoring required by Condition 3– Table 1(c)(2)(vi).	Record keeping of monitored data in accordance with Condition 3 - Table 1 (c)(2)(ix).	NO	
4	Condition 3 - Table 1 (c)(2)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide the Department with written notification at least 15 days prior to beginning well decommissioning that includes the following:	Reporting well decommissioning data in accordance with Condition 3 - Table 1 (c)(2)(x)(A).	YES	September 8, September 20, and December 20, 2017
4	Condition 3 - Table 1 (c)(2)(x)(A)(1) The reason for well decommissioning.	Reporting reason for decommissioning in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(1).	YES	September 8, September 20, and December 20, 2017

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(2)(x)(A)(2) A plot map that clearly identifies all nearby active wells and the wells to be decommissioned.	Reporting of well location in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(2).	YES	September 8, September 20, and December 20, 2017
4	Condition 3 - Table 1 (c)(2)(x)(A)(3) Estimated approximate radius of influence (ROI) of the well to be decommissioned and the ROIs of the nearby active wells or LFG collection trenches.	Reporting of radius of influence in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(3).	YES	September 8, September 20, and December 20, 2017
4	Condition 3 - Table 1 (c)(2)(x)(A)(4) Documentation that demonstrates that the wells have been unproductive.	Reporting of documented unproductive wells in accordance with Condition 3 -Table 1 (c)(2)(x)(A)(4).	YES	September 8, September 20, and December 20, 2017
4	Condition 3 - Table 1 (c)(2)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide a summary report of the results and details of the plans to abandon the decommissioned well(s) to the Department for approval prior to formal abandonment.	Reporting of well abandonment plan in accordance with Condition 3 - Table 1 (c)(2)(x)(B).	YES	July 25 and October 31, 2017
4	Condition 3 - Table 1 (c)(2)(x)(C) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide a summary report of landfill gas flow rate and surface emissions monitoring outlined by Condition 3-Table 1(c)(2)(vi)(A)&(B).	Reporting of gas flow rate and emissions monitoring in accordance with Condition 3 - Table 1 (c)(2)(x)(C).	YES	July 25 and October 31, 2017

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Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(2)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance shall be demonstrated by record keeping and reporting.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (c)(2)(xi).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(A) The collection and control system may be capped or removed provided that all the following conditions are met:	Record keeping of collection systems capping or removal in accordance with Condition 3 - Table 1 (c)(3)(iii)(A).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(A)(1) The landfill shall be no longer accepting solid waste and be permanently closed;	Record keeping of accepted waste in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(1).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(A)(2) The collection and control system shall have been in a minimum of 15 years; and	Record keeping of collection system operation time in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(2).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(A)(3) The calculated NMOC gas produced by the landfill shall be less than 50 megagrams per year on three successive test dates. The test dates shall be no less than 90 days apart, and no more than 180 days apart.	Record keeping of NMOC gas produced in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(3).	NO	

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4	Condition 3 - Table 1 (c)(3)(iii)(B) If a closure report has been submitted to the Department, no additional wastes may be placed into the landfill without filing a notification of modification as described under 40 CFR Part 60.7(a)(4) provided that none of the conditions of this permit are violated.	Record keeping of waste acceptance in accordance with Condition 3 - Table 1 (c)(3)(iii)(B).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(C) Any closed landfill that has no monitored exceedances in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane readings of 500 parts per million or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.	Record keeping of monitored exceedances in accordance with Condition 3 - Table 1 (c)(3)(iii)(C).	NO	
4	Condition 3 - Table 1 (c)(3)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 -Table 1 (c)(3)(v).	NO	
4	Condition 3 - Table 1 (c)(3)(vi) The company shall monitor the operational standards of Condition 3–Table 1(c)(3)(iii).	Monitoring of operational standards in accordance with Condition 3 - Table 1 (c)(3)(vi).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(3)(vii) In addition to that required by Condition 3(b)(1)(ii) of this permit, the owner/operator shall calculate the NMOC emission rate using the equation provided in 40 CFR Part 60.754(b).	Record keeping of NMOC emissions calculations in accordance with Condition 3 - Table 1 (c)(3)(vii).	NO	
4	Condition 3 - Table 1 (c)(3)(ix) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep records of the monitoring required by Condition 3–Table 1(c)(3)(vi).	Record keeping of monitored data in accordance with Condition 3 - Table 1 (c)(3)(ix).	NO	
4	Condition 3 - Table 1 (c)(3)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit a closure report to the Department within 30 days of waste acceptance cessation. The Department may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of Section 258.60 of 40 CFR Part 60.	Reporting of landfill closure in accordance with Condition 3 - Table 1 (c)(3)(x)(A).	YES	N/A

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(3)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit an equipment removal report to the Department 30 days prior to removal or cessation of of the control equipment that includes the following:	Reporting of equipment removal in accordance with Condition 3 - Table 1 (c)(3)(x)(B).	YES	N/A
4	Condition 3 - Table 1 (c)(3)(x)(B)(1) A copy of the closure report submitted in accordance with Condition 3–Table 1(c)(3)(x)(A);	Reporting of closure in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(1).	YES	N/A
4	Condition 3 - Table 1 (c)(3)(x)(B)(2) A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired, and	Reporting of initial performance test in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(2).	YES	N/A
4	Condition 3 - Table 1 (c)(3)(x)(B)(3) Dated copies of three successive NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year.	Reporting of NMOC emission rates in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(3).	YES	N/A
4	Condition 3 - Table 1 (c)(3)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (c)(3)(xi).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(4)(iii) The owner/operator shall develop and implement a written startup, shutdown and malfunction plan (SSM) that describes, in detail, procedures for operating and maintaining the collection and control system and the continuous monitoring system during periods of SSM and a program of corrective action for malfunctioning process and air pollution control equipment according to the provisions of 40 CFR Part 63.6(e)(3).	Record keeping of SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(iii).	NO	
4	Condition 3 - Table 1 (c)(4)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(4)(v).	NO	
4	Condition 3 - Table 1 (c)(4)(vi) In addition to the requirements of all monitoring conditions specified under Condition 3-Table 1(c), the Company shall monitor the time, date, and length of all SSM and any actions taken at such times.	Monitoring of SSM events in accordance with Condition 3 - Table 1 (c)(4)(vi).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(A) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep the written Startup Shutdown and Malfunction Plan (SSM Plan) on record to be made available for inspection upon request, for the life of the affected source.	Record keeping of SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(ix)(A).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(4)(ix)(B) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep previous versions of the SSM Plan on record if the SSM Plan is revised, for a period of 5 years after each revision to the plan.	Record keeping of previous SSM Plans in accordance with Condition 3 - Table 1 (c)(4)(ix)(B).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(C) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the occurrence and duration of each SSM of operation, and of the air pollution control equipment.	Record keeping of each SSM event in accordance with Condition 3 - Table 1 (c)(4)(ix)(C).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(D) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall record all maintenance performed on the air pollution control equipment.	Record keeping of equipment maintenance in accordance with Condition 3 - Table 1 (c)(4)(ix)(D).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(E) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall record actions taken during periods of SSM (including corrective actions to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation) when such actions are different from the procedures specified in the SSM Plan.	Record keeping of actions taken during SSM periods in accordance with Condition 3 - Table 1 (c)(4)(ix)(E).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(4)(ix)(F) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain all information necessary to demonstrate conformance with the affected source's SSM Plan when all actions taken during periods of SSM are consistent with the procedures specified in such plan.	Record keeping of conformance with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(ix)(F).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(G) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of the permit, the Company shall record each period during which a CMS is malfunctioning or inoperative.	Record keeping of CMS malfunctions in accordance with Condition 3 - Table 1 (c)(4)(ix)(G).	NO	
4	Condition 3 - Table 1 (c)(4)(x)(A) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: A SSM report shall be submitted semiannually.	Reporting of SSM compliance in accordance with Condition 3 - Table 1 (c)(4)(x)(A).	YES	July 25, 2017 and January 23, 2018

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(4)(x)(B) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: If actions taken during a SSM are consistent with the procedures specified in the SSM Plan, the owner or operator shall state such information in the report.	Reporting of actions consistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(B).	YES	July 25, 2017 and January 23, 2018
4	Condition 3 - Table 1 (c)(4)(x)(C) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: The SSM report shall consist of a letter, containing the name, title, and signature of the responsible official certifying to its accuracy.	Reporting of SSM report accuracy in accordance with Condition 3 - Table 1 (c)(4)(x)(C).	YES	July 25, 2017 and January 23, 2018
4	Condition 3 - Table 1 (c)(4)(x)(D) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: SSM reports shall be delivered or postmarked by the 30th day following the end of each calendar half.	Reporting of SSM on time in accordance with Condition 3 - Table 1 (c)(4)(x)(D).	YES	July 25, 2017 and January 23, 2018

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(4)(x)(E) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: Anytime an action taken by an owner/operator during a SSM is not consistent with the procedures specified in the SSM plan, the owner/operator shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E).	YES	July 25, 2017 and January 23, 2018
4	Condition 3 - Table 1 (c)(4)(x)(E)(1) The immediate report shall consist of a telephone call or facsimile transmission within 2 working days after commencing actions.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E)(1).	YES	N/A
4	Condition 3 - Table 1 (c)(4)(x)(E)(2) The letter shall contain the name, title and signature of the responsible official certifying its accuracy, explaining the circumstances of the event, the reasons for not following the SSM plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E)(2).	YES	N/A

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(4)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping and reporting requirements outlined above.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (c)(4)(xi).	NO	
5	Condition 3 - Table 1 (d)(1)(i) The gas plant shall not be a source of emissions.	Record keeping and monitoring of gas plant in accordance with Condition 3 - Table 1 (d)(1)(i).	NO	
5	Condition 3 - Table 1 (d)(1)(iv)(A)(1) Route all the collected gas to: the gas compression plant that processes the collected gas for subsequent sale or , use; or	Record keeping of gas routing in accordance with Condition 3 - Table 1 (d)(1)(iv)(A)(1).	NO	
5	Condition 3 - Table 1 (d)(1)(iv)(A)(2) Permitted flare(s) designed and operated in accordance with §60.18(c).	Record keeping of gas routing in accordance with Condition 3 - Table 1 (d)(1)(iv)(A)(2).	NO	
5	Condition 3 - Table 1 (d)(1)(iv)(B)(1) The gas plant shall: be operated at all times when the collected gas is routed to the system.	Record keeping of gas plant operation in accordance with Condition 3 - Table 1 (d)(1)(iv)(B)(1).	NO	
5	Condition 3 - Table 1 (d)(1)(iv)(B)(2) be maintained and operated in a manner consistent with the specifications in the operation manual. Any changes to the manuals shall be submitted to the Department.	Record keeping of operation and maintenance in accordance with Condition 3 - Table 1 (d)(1)(iv)(B)(2).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
5	Condition 3 - Table 1 (d)(1)(iv)(C) DSWA shall upgrade the landfill gas collection system, including gas lines, process skid, and compressor so it is capable of processing and transmitting processed landfill gas at the rate of 9,000 scfm. When the landfill gas flow rate exceeds a daily average of 8,000 scfm for two (2) consecutive months, DSWA shall upgrade the system so it is capable of processing and transmitting processed landfill gas at the rate of 12,000 scfm. In any event, all landfill gas collected at the landfill either shall be processed by the gas compressor system or burned at a flare or flares.	Record keeping of gas system upgrades in accordance with Condition 3 - Table 1 (d)(1)(iv)(C).	NO	
5	Condition 3 - Table 1 (d)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (d)(1)(v).	NO	
5	Condition 3 - Table 1 (d)(1)(vi) The owner/operator shall monitor operational limitations of this section.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (d)(1)(vi).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(A) The owner/operator shall maintain all records specified under Condition 3-Table 1(d)(1)(vi) including the following information:	Record keeping in accordance with Condition 3 - Table 1 (d)(1)(ix)(A).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
5	Condition 3 - Table 1 (d)(1)(ix)(A)(1) The date and time the gas plant was shut down;	Record keeping of gas plant shut downs in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(1).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(A)(2) The date and time the gas flow was restored to the plant; and	Record keeping of gas flow to gas plant in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(2).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(A)(3) The date and time the flare was fired.	Record keeping of flare use in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(3).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(B) Records of the control device vendor specifications shall be maintained until removal.	Record keeping of vendor specifications in accordance with Condition 3 - Table 1 (d)(1)(ix)(B).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(C) The daily exit gas flow rate from gas plant as specified in Condition 3-Table 1 (d)(1)(iv)(A).	Record keeping of exit gas flow rate in accordance with Condition 3 - Table 1 (d)(1)(ix)(C).	NO	
5	Condition 3 - Table 1 (d)(1)(x)(A) Any changes to the operational manual shall be submitted to the Department within one (1) month.	Reporting of changes to the operational manual in accordance with Condition 3 - Table 1 (d)(1)(x)(A).	YES	N/A
5	Condition 3 - Table 1 (d)(1)(x)(B) In addition to Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department annual reports of the following information:	Reporting in accordance with Condition 3 - Table 1 (d)(1)(x)(B).	YES	Attachment A

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
5	Condition 3 - Table 1 (d)(1)(x)(B)(1) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under 40 CFR Part 60.756.	Reporting of gas routing in accordance with Condition 3 - Table 1 (d)(1)(x)(B)(1).	YES	Attachment A
5	Condition 3 - Table 1 (d)(1)(x)(B)(2) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour during normal operating hour and 4 hours outside normal operating hour, and length of time the control device was not operating.	Reporting of control device down time in accordance with Condition 3 - Table 1 (d)(1)(x)(B)(2).	YES	Attachment A
5	Condition 3 - Table 1 (d)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance will be determined based on records keeping and reporting requirements of this section.	Record keeping and reporting in accordance with Condition 3 - Table 1 (d)(1)(xi).	NO	
6	Condition 3 - Table 1 (e)(1)(i) The generator shall be operated in conformance with the generator manufacturer's instructions, such as following maintenance and operating requirements to help minimize emissions.	Record keeping of operations in accordance with Condition 3 - Table 1 (e)(1)(i).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(A) The emergency generator may be operated for an unlimited number of hours during an emergency as described in Condition 3–Table 1(e)(1)(iii)(C).	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(A).	NO	

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Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
6	*Condition 3 - Table 1 (e)(1)(iii)(B) The emergency generator may operate for an unlimited number of hours during testing or for maintenance purposes, pursuant to the definition of an emergency generator as defined in the 7 DE Admin Code 1144, except as restricted by Condition 3–Table 1(e)(1)(iii)(D).	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(B).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(C) The emergency generator may only operate during an emergency as defined below:	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(C)(1) An electrical power outage due to: a failure of the electrical grid; on-site disaster; local equipment failure; or public service emergencies such as flood, fire, natural disaster, or severe weather conditions (e.g. hurricane, tornado, blizzard, etc.); or	Record keeping of hours of emergency operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C)(1).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(C)(2) When there is a deviation of voltage or frequency from the electrical provider to the premises of three percent (3%) or greater above, or five Percent (5%) or greater below, standard voltage or frequency.	Record keeping of hours of emergency operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C)(2).	NO	

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Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
6	Condition 3 - Table 1 (e)(1)(iii)(D) No emergency generator shall be used during testing or for maintenance purposes before 5 p.m. on a day which has a Ground Level Ozone Pollution Forecast or Particle Pollution Forecast of "Code Red" or "Code Orange" as announced by the Department.	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(D).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(E) Despite Condition 3–Table 1(e)(1)(iii)(D), an emergency generator may be tested on any day that such testing is required to meet National Fire Protection Association (NFPA) standards.	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(E).	NO	
6	*Condition 3 - Table 1 (e)(1)(iii)(F) The emergency generator shall only combust diesel fuel or biodiesel blend having a sulfur content equal to or less than 0.05% by weight.	Record keeping of generator fuel in accordance with Condition 3 - Table 1 (e)(1)(iii)(F).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(G) The emergency generator shall be equipped with a properly functioning non-resettable hour metering device.	Record keeping of generator equipment in accordance with Condition 3 - Table 1 (e)(1)(iii)(G).	NO	

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Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
6	Condition 3 - Table 1 (e)(1)(iii)(H) The emergency generator shall not be operated in conjunction with a voluntary demand reduction program or any other interruptible power supply arrangement with a utility, other market participant, or system operator (e.g. Delmarva Power, Delaware Electric Cooperative, PJM, etc.).	Record keeping of reasons for operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(H).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(I) The emergency generator shall not be transferred off-site without first notifying the Department. Whoever becomes the new owner or operator of this generator within the State of Delaware shall apply for a construction permit.	Record keeping of generator location in accordance with Condition 3 - Table 1 (e)(1)(iii)(I).	NO	
6	Condition 3 - Table 1 (e)(1)(iv) The emergency generator shall be serviced annually by a manufacturer's representative or by personnel trained to perform maintenance according to the manufacturer's recommendations.	Record keeping of maintenance and personnel training/qualifications in accordance with Condition 3 - Table 1 (e)(1)(iv).	NO	
6	Condition 3 - Table 1 (e)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping in accordance with Condition 3 - Table 1 (e)(1)(v).	NO	

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Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
6	Condition 3 - Table 1 (e)(1)(vi)(A) The Company shall monitor, for each operating period: The type of fuel used to fire this Emission Unit; The monthly amount of fuel combusted; The sulfur content of the fuel oil for each shipment; and the date, time, duration, and reason for each startup.	Monitoring fuel and fuel usage in accordance with Condition 3 - Table 1 (e)(1)(vi)(A).	NO	
6	Condition 3 - Table 1 (e)(1)(vi)(B) The hours and minutes of operation.	Monitoring of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(vi)(B).	NO	
6	Condition 3 - Table 1 (e)(1)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (e)(1)(vii).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(A) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: the monitoring required in Condition 3 – Table 1(e)(1)(vi).	Record keeping of monitoring data in accordance with Condition 3 - Table 1 (e)(1)(ix)(A).	NO	

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Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
6	Condition 3 - Table 1 (e)(1)(ix)(B) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: for each shipment of fuel, shipping receipt and fuel supplier certifications of fuel sulfur content that state: The type of fuel delivered; and The percentage of sulfur in the fuel and the method used to determine the sulfur content.	Record keeping of fuel information in accordance with Condition 3 - Table 1 (e)(1)(ix)(B).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(C) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: As an alternative to Condition 3–Table 1(e)(1)(ix)(B), the owner may have a the fuel in the generator's fuel tank certified by a third party laboratory, after each shipment of liquid fuel. This certification shall identify: The type of fuel delivered; and The percentage of sulfur in the fuel and the method used to determine the sulfur content.	Record keeping of fuel information in accordance with Condition 3 - Table 1 (e)(1)(ix)(C).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(D) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the initial notification as required by 7 DE Admin Code 1144.	Record keeping of initial notification in accordance with Condition 3 - Table 1 (e)(1)(ix)(D).	NO	

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
6	Condition 3 - Table 1 (e)(1)(ix)(E) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the manufacturer's maintenance and operational recommendations.	Record keeping of maintenance and operational manual in accordance with Condition 3 - Table 1 (e)(1)(ix)(E).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(F) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: Monthly, the hours of operation on a monthly and cumulative twelve (12) month basis.	Record keeping of hours of operation in accordance with Condition 3 -Table 1 (e)(1)(ix)(F).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(G) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: Monthly, the total fuel usage on a monthly and cumulative twelve (12) month basis.	Record keeping of fuel usage in accordance with Condition 3 - Table 1 (e)(1)(ix)(G).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(H) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the annual service performed in accordance with Condition 3–Table 1(e)(1)(iv)(A).	Record keeping of service records in accordance with Condition 3 - Table 1 (e)(1)(ix)(H).	NO	

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
6	Condition 3 - Table 1 (e)(1)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, if the emergency generator is to be reclassified from an emergency generator to a distributed generator, the owner or operator shall submit a letter stating that the generator is to be reclassified. Reclassification shall not occur without written permission from the Department.	Reporting of generator reclassification in accordance with Condition 3 - Table 1 (e)(1)(x)(A).	YES	N/A
6	Condition 3 - Table 1 (e)(1)(x)(B) The Company shall calculate the emissions from emergency generator and include this information to yearly emissions inventory report.	Reporting of emissions in accordance with Condition 3 - Table 1 (e)(1)(x)(B).	YES	April 27, 2017
6	Condition 3 - Table 1 (e)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping and reporting requirements outlined above.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (e)(1)(xi).	NO	
Facility Wide	*Condition 3 - Table 1 (f)(1)(ii) The facility's rolling 12-month emission limitations are based on two low-NOx enclosed flares and all permitted passive flares as shown below: NOx=23.9 tons, CO=57.4 tons, PM=16 tons, NMOC=0.61 tons, Sox=77 tons, HCl=1.11 tons.	Monitoring emissions limitations in accordance with Condition 3 - Table 1 (f)(1)(ii).	NO	

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(A) As outlined by the unit-specific operational limitations by this permit.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (f)(1)(iv)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(B) Only permitted temporary grinders may be used on site and all emissions from the temporary grinders shall be included in the facility wide total emiisions.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(iv)(B).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(C) Only permitted temporary crushers may be used on site and all emissions from the temporary crushers shall be included in the facility wide total emiisions.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(iv)(C).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(1)(v).	NO	
Facility Wide	*Condition 3 - Table 1 (f)(1)(vi)(A) The owner/operator shall monitor the following: monthly and 12-month emissions of NOx, CO, PM, NMOCs, SOx, and HCl from the facility.	Monitoring of emissions in accordance with Condition 3 - Table 1 (f)(1)(vi)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(B) The owner/operator shall monitor unit-specific visible emissions as outlined by this permit.	Monitoring of visible emissions in accordance with Condition 3 - Table 1 (f)(1)(vi)(B).	NO	

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(C) The owner/operator shall monitor the hours of operation of permitted temporary stationary equipment.	Monitoring of hours of operation in accordance with Condition 3 - Table 1 (f)(1)(vi)(C).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(1)(vii).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(ix) That required by Conditions 3(b)(1)(ii) and 3(b)(2) and Condition 3-Table 1(f)(1)(vi) of this permit.	Record keeping in accordance with Condition 3 - Table 1 (f)(1)(ix).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(x) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall calculate the rolling 12-month emissions from passive flares based on actual hours of operations and best engineering assumptions. The owner/operator shall include the passive flare emissions to yearly emissions inventory report.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(x).	YES	April 27, 2017
Facility Wide	Condition 3 - Table 1 (f)(1)(xi)(A) Compliance with the emission limitations identified by the unit-specific emissions shall be demonstrated each month based on the amount of gas combusted, actual NMOC, actual H2S concentrations, actual methane content in landfill gas, approved emission factors and good engineering assumptions.	Record keeping of compliance with emission limitations in accordance with Condition 3 - Table 1 (f)(1)(xi)(A).	NO	

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(1)(xi)(B) Any noncompliance with the restrictions of Condition 3–Table 1(f)(xi)(A) shall be evaluated in accordance with the requirements of 7 DE Admin Code 1125, Requirements for Preconstruction Review. Any emission exceedances which trigger the requirements of 7 DE Admin Code 1125 shall subject the facility to full review under this regulation as though construction had not yet commenced at the facility.	Record keeping of noncompliance in accordance with Condition 3 - Table 1 (f)(1)(xi)(B).	NO	
Facility Wide	Condition 3 - Table 1 (f)(2)(i) Odor: The owner/operator shall not cause or allow the emission of odorous air contaminants such as to cause a condition of air pollution.	Record keeping of emissions of odorous air contaminants in accordance with Condition 3 - Table 1 (f)(2)(i).	NO	
Facility Wide	Condition 3 - Table 1 (f)(2)(iv) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(2)(iv).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(2)(v)(A) Conduct daily odor survey at the perimeter of the facility on days the facility is operational. The daily surveys shall be conducted 6 days a week (Monday through Saturday). The owner or operator shall resume off day monitoring if there are any verified odor complaints on any off day in any subsequent quarter. If a landfill gas odor sufficient to cause or create a condition of air pollution is detected, the owner/operator shall take immediate action to correct landfill gas odor problem. The following information shall be recorded and maintained in written or electronic log. Any written log shall be initialed: Start and end time of survey, presence or absence of odor, wind direction, ambient air temperature, and location monitored. In the event when odor is detected along the perimeter exterior of the landfill, the odor survey log shall include the following additional information: Humidity content of ambient air, average wind speed, actions taken in response to odor found.	Monitoring of odors in accordance with Condition 3 - Table 1 (f)(2)(v)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(2)(v)(B) The owner/operator shall conduct perimeter H2S survey (measurement) if H2S concentration in LFG exceeds 450 ppm in two	Monitoring of odors in accordance with Condition 3 - Table 1 (f)(2)(v)(B)	NO	
Facility Wide	Condition 3 - Table 1 (f)(2)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(2)(vii).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(2)(ix) In addition to that required by Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the owner/operator shall maintain records of the following: 1. Presence or absence of odor; 2. Wind direction and ambient air temperature; 3. Location monitored; 4. Actions taken in response to odors found. For H2S monitoring the owner/operator shall maintain records of the following: 1. Method used for perimeter monitoring (survey); 2. Monitoring results; 3.Monitoring location.	Record keeping of odor logs in accordance with Condition 3 - Table 1 (f)(2)(ix).	NO	
Facility Wide	Condition 3 - Table 1 (f)(2)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall comply with the following: Notify the Department immediately if daily or other odor surveys detect odors beyond the landfill perimeter. The owner/operator shall submit an odor survey sumary log by the end of each calendar month for the previous month. The odor survey summary log shall include all information outlined by Condition 3-Table 1(f)(2)(v)(A).	Reporting of odors in accordance with Condition 3 - Table 1 (f)(2)(x)(A).	YES	Submitted monthly throughout the year

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(2)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall comly with the following: Research and explore various H2S generation reduction strategies and control options and implement these strategies as necessary so that the H2S concentration in the landfill gas remains consistently low and meets the Ambient Air Quality Standard (AAQS) outlined by 7 DE Admin Code 1103, Section 9 for this pollutant. The facility must submit an annual report to the Department by the end of March of each calendar year for the previous year summarizing its findings including which strategies and control options have been implemented for H2S generation reduction.	Compliance with researching H2S reduction methods in accordance with Condition 3 - Table 1 (f)(2)(x)(B).	YES	March 30, 2017
Facility Wide	Condition 3 - Table 1 (f)(2)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance is demonstrated if the owner/operator has no knowledge to the contrary and has no prior history of exceedances.	Compliance with Condition 3(c)(3) in accordance with Condition 3 - Table 1 (f)(2)(xi).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(A) All structural and mechanical components of the equipment covered by this permit shall be maintained in proper operating condition and such equipment shall be operated at all times in a manner consistent with good air pollution control practice.	Record keeping of equipment maintenance in accordance with Condition 3 - Table 1 (f)(3)(iii)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(B) No person shall cause or allow land clearing, land grading (including grading for roads), excavation, or use of non-paved roads on private property unless methods, such as the application of water or the use of other techniques approved by the Department, are employed to control dust emission.	Record keeping of dust control actions in accordance with Condition 3 - Table 1 (f)(3)(iii)(B).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(C) No person shall cause or allow visible particulate emissions of any material being transported by a motor vehicle.	Record keeping of visible particulate emissions in accordance with Condition 3 - Table 1 (f)(3)(iii)(C).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(D) No person shall cause or allow stockpiling or other storage of material or transport to or from a storage facility in such a manner as may cause a condition of air pollution.	Record keeping of stockpiling practices in accordance with Condition 3 - Table 1 (f)(3)(iii)(D).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(3)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(3)(v).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(vi)(A) Each month, the owner/operator shall monitor the operational limitations specified under Condition 3–Table 1(f)(3)(iii). The Company monitor all of the maintenance performed on equipment covered by this permit, and update records as needed.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (f)(3)(vi)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(vi)(B) Each day, the Company shall monitor the methods used to store and transport material and the methods used for control of fugitive dust from loading, unloading, clearing, grading, and excavation.	Monitoring of storage, transport, and dust control methods in accordance with Condition 3 - Table 1 (f)(3)(vi)(B).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(3)(vii).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(ix) In addition to that required by Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the monitoring performed in Condition 3–Table 1(f)(3)(vi).	Record keeping of monitoring data in accordance with Condition 3 - Table 1 (f)(3)(ix).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1(f)(3)(x) That required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit.	Compliance with Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit in accordance with Condition 3 - Table 1(f)(3)(x).	YES	N/A
Facility Wide	Condition 3 - Table 1 (f)(3)(xi)(A) In addition to that required by Condition 3(c)(3)of this permit, compliance wit the operational standards shall be demonstrated by the following: Compliance with the Condition 3–Table 1(f)(3)(iii)(A) shall be demonstrated by adherence to good engineering operations and work practices, and based upon record keeping for the proper operation and maintenance of the equipment covered by this permit.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (f)(3)(xi)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(xi)(B) In addition to that required by Condition 3(c)(3)of this permit, compliance wit the operational standards shall be demonstrated by the following: Compliance with the Condition 3 – Table 1(f)(3)(iii)(B), (C), and (D) shall be demonstrated by record keeping.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (f)(3)(xi)(B).	NO	

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(iii)(H)(1)	4	Positive pressure detected at wellhead.

4. Deviation Duration		
4.1 Date (month/day/year) Beginning: 00/00/0000 Ending: 00/00/0000	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min) 0:00

5. Probable Cause of Deviation	6. Corrective Action
See Attachment B for additonal information.	

7. Deviation Reporting		
7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(iii)(I)(1)	4	Oxygen level 5% or greater detected at wellhead.

4. Deviation Duration		
4.1 Date (month/day/year) Beginning: 00/00/0000 Ending: 00/00/0000	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min) 0:00

5. Probable Cause of Deviation	6. Corrective Action
See Attachment C for additional information.	

7. Deviation Reporting		
7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(iii)(I)(1)	4	Temperature greater than 131°F detected at the wellhead.

4. Deviation Duration		
4.1 Date (month/day/year) Beginning: 00/00/0000 Ending: 00/00/0000	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min) 0:00

5. Probable Cause of Deviation	6. Corrective Action
See Attachment C for additional information.	

7. Deviation Reporting		
7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(iii)(J)	4	Methane surface emissions detected greater than or equal to 500 ppm.

4. Deviation Duration		
4.1 Date (month/day/year) Beginning: 00/00/0000 Ending: 00/00/0000	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min) 0:00

5. Probable Cause of Deviation	6. Corrective Action
See Attachment D for additional information.	

7. Deviation Reporting		
7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(x)(E)	4	3rd Quarter 2017 H2S results submitted after the end of 4th quarter

4. Deviation Duration		
4.1 Date (month/day/year) Beginning: 00/00/0000 Ending: 00/00/0000	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min)

5. Probable Cause of Deviation	6. Corrective Action
Administrative oversite	Submit with 4th quarter results on January 23, 2018

7. Deviation Reporting		
7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(xi)(F)(2)	4	In the 4th quarter of 2017, a surface emission exceedance was recorded at vertical well CILFG259 on December 12, 2017. Active landfilling operations moved to directly around this well and the 10-day remonitoring could not be performed due to safety concerns.

4. Deviation Duration		
4.1 Date (month/day/year) Beginning: 12/22/2017 Ending: 12/29/2017	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min)

5. Probable Cause of Deviation	6. Corrective Action
Safety issue of monitoring during active landfilling.	Well was remonitored on December 29, 2017.

7. Deviation Reporting		
7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (d)(1)(x)(B)(2)	5	Landfill gas plant and flare down for longer than 1 hour during normal operating hours.

4. Deviation Duration		
4.1 Date (month/day/year) Beginning: 11/16/2017 Ending: 11/16/2017	4.2 Time (hr:min) Start: 12:58 End: 15:36	4.3 Duration (hr:min) 2 hours 38 minutes

5. Probable Cause of Deviation	6. Corrective Action
Due to electrical breaker malfunction, DSWA had to run off of power supplied by a 65kW emergency generator. This shut down was caused by a controlled switchover to this temporary power source.	DSWA restored power once temporary electrical connections were established.

7. Deviation Reporting		
7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (d)(1)(x)(B)(2)	5	Landfill gas plant and flare down for longer than 1 hour during normal operating hours.

4. Deviation Duration		
4.1 Date (month/day/year) Beginning: 11/20/2017 Ending: 11/20/2017	4.2 Time (hr:min) Start: 12:37 End: 14:06	4.3 Duration (hr:min) 1 hour 29 minutes

5. Probable Cause of Deviation	6. Corrective Action
Due to electrical breaker malfunction, DSWA had to run off of power supplied by a 65kW emergency generator. The 65kW emergency generator could only power the flare. DSWA switched to a 200kW generator to enable use of both the flare and gas plant. This shut down was caused by a controlled switchover to this temporary power source.	DSWA restored power once temporary electrical connections were established.

7. Deviation Reporting		
7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: Cherry Island Landfill Operating Permit Number: AQM-003/00111 Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 5 – ADDITIONAL INFORMATION

Emission Unit Identification	Additional Information
N/A	N/A

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: Cherry Island Landfill Operating Permit Number: AQM-003/00111 Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 6 – ADDITIONAL INFORMATION – LIST OF ATTACHMENTS

Attachment #	Emission Unit Identification	Description/Document Title
A	2,3, and 5	Gas Plant Down Times and Flare Operations Log
B	4	Wellhead Pressure Exceedances
C	4	Wellhead Oxygen and Temperature Exceedances
D	4	Surface Emission Monitoring Exceedances
E	4	List of New Wellheads
F	4	Site Drawing
G	All	Addendum to Table 1 - New Conditions from AQM-003/00111-Renewal 3 Reported for Period 8/1/2017 to 12/31/2017
H	All	Addendum to Table 3 - New Conditions from AQM-003/00111-Renewal 3 Reported for Period 8/1/2017 to 12/31/2017

Attachment A

Collection Systems Operations Log
Cherry Island Landfill
July 1, 2017 through December 31, 2017

Condition 3 - Table 1 (b)(1)(iii)(D), (c)(1)(x)(C)(2), (d)(1)(x)(B)(1) and (2) Emission Units 2, 3 and 5

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
7/1/17			0			0	24	
7/2/17			0			0	24	
7/3/17			0			0	24	
7/4/17			0			0	24	
7/5/17			0			0	24	
7/6/17			0			0	24	
7/7/17			0			0	24	
7/8/17			0			0	24	
7/9/17			0	21:24	21:46	0.36	21.66	Flare starts and stops to maintain vacuum
7/9/17				21:59		1.98		Flare starts and stops to maintain vacuum
7/10/17			0		6:15	6.25	17.75	Flare starts and stops to maintain vacuum
7/11/17			0			0	24	
7/12/17			0			0	24	
7/13/17			0			0	24	
7/14/17			0			0	24	
7/15/17			0	12:34	7:05	7.65	12.59	Flare starts and stops to maintain vacuum
7/15/17				20:14		3.76		Flare starts and stops to maintain vacuum
7/16/17			0		9:06	9.10	14.90	Flare starts and stops to maintain vacuum
7/17/17			0	12:12	12:17	0.08	23.92	Power glitch
7/18/17			0			0	24	
7/19/17			0	7:50	8:11	0.35	22.14	Closing of valves for Rosey's to clean out drains
7/19/17				11:22	12:53	1.51		Closing of valves for Rosey's to clean out drains
7/20/17			0			0	24	
7/21/17			0			0	24	
7/22/17			0			0	24	

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
7/23/17			0			0	24	
7/24/17			0			0.00	24	
7/25/17	06:05	07:20	1.25	14:36	14:43	0.11	23.89	Problems at Cummins
7/25/17	07:49	19:18	1.48			0		Problems at Cummins
7/25/17	09:41	10:43	1.03			0		Problems at Cummins
7/25/17	13:46	14:30	0.73			0		Problems at Cummins
7/25/17	15:21	16:10	0.81			0		Problems at Cummins
7/26/17	7:56	8:18	0.36			0	24	Problems at Cummins
7/26/17	17:00	17:19	0.31					Problems at Cummins
7/27/17	2:07	2:56	0.81			0	24	Problems at Cummins
7/28/17			0			0	24	
7/29/17			0			0	24	
7/30/17	6:16	7:05	0.81	06:16	7:24	1.13	22.87	Power glitch
7/31/17			0			0	24	
8/1/17			0			0	24	
8/2/17			0	13:09	13:48	0.65	22.99	Flare starts and stops to maintain vacuum
8/2/17				14:32	14:54	0.36		Flare starts and stops to maintain vacuum
8/3/17			0			0	24	
8/4/17			0			0	24	
8/5/17			0	20:40	23:30	2.83	21.17	Flare starts and stops to maintain vacuum
8/6/17			0	0:42	0:47	0.08	23.92	Flare starts and stops to maintain vacuum
8/7/17			0			0	24	
8/8/17			0	1:27	5:21	3.90	16.32	Flare starts and stops to maintain vacuum
8/8/17				19:59		3.78		Flare starts and stops to maintain vacuum
8/9/17			0		6:18	6.30	17.70	Flare starts and stops to maintain vacuum
8/10/17			0	12:11	6:09	5.75	18.25	Flare starts and stops to maintain vacuum
8/11/17			0	4:57	5:02	0.08	23.89	Flare starts and stops to maintain vacuum
8/11/17				6:55	6:57	0.03		Flare starts and stops to maintain vacuum
8/12/17			0	12:08	6:37	6.28	17.72	Flare starts and stops to maintain vacuum

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
8/13/17			0			0	24	
8/14/17			0	5:21	5:29	0.13	23.62	Flare starts and stops to maintain vacuum
8/14/17				15:35	15:50	0.25		Flare starts and stops to maintain vacuum
8/15/17			0			0	24	
8/16/17	13:28	13:58	0.5			0	24	High O2
8/17/17			0			0	24	
8/18/17			0			0	24	
8/19/17			0	3:52	6:53	3.00	16.45	Flare starts and stops to maintain vacuum
8/19/17				7:42	12:09	4.55		Flare starts and stops to maintain vacuum
8/20/17			0			0	24	
8/21/17			0	3:05	5:11	2.10	21.90	Flare starts and stops to maintain vacuum
8/22/17			0			0	24	
8/23/17			0			0	24	
8/24/17			0			0	24	
8/25/17			0			0	24	
8/26/17			0			0	24	
8/27/17			0			0	24	
8/28/17			0			0	24	
8/29/17			0			0	24	
8/30/17			0			0	24	
8/31/17			0			0	24	
9/1/17			0			0	24	
9/2/17			0			0	24	
9/3/17			0			0	24	
9/4/17			0			0	24	
9/5/17			0			0	24	
9/6/17			0			0	24	
9/7/17			0			0	24	
9/8/17			0			0	24	

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
9/9/17			0			0	24	
9/10/17			0			0	24	
9/11/17			0			0	24	
9/12/17			0			0	24	
9/13/17			0			0	24	
9/14/17			0			0	24	
9/15/17			0			0	24	
9/16/17			0			0	24	
9/17/17			0			0	24	
9/18/17			0			0	24	
9/19/17			0			0	24	
9/20/17			0			0	24	
9/21/17	11:02	13:45	2.71	10:52	11:23	0.51	23.49	Plant shutdown while we were working on blackhawk pump in k/o pot
9/22/17	10:10	10:55	0.75	7:42	7:55	0.21	23.33	Plant shutdown while we were working on blackhawk pump in k/o pot
9/22/17				9:58	10:26	0.46		Plant shutdown while we were working on blackhawk pump in k/o pot
9/23/17			0			0	24	
9/24/17			0			0	24	
9/25/17			0			0	24	
9/26/17	1:45	12:45	11	12:48	13:03	0.25	23.75	Power failure at Croda, Cummins shutdown
9/27/17			0			0	24	
9/28/17			0			0	24	
9/29/17			0			0	24	
9/30/17			0			0	24	
10/1/17			0			0	24	
10/2/17	7:15	8:06	0.85	7:15	7:26	0.18	23.82	Power Glitch
10/3/17			0			0	24	
10/4/17			0			0	24	
10/5/17			0			0	24	
10/6/17			0			0	24	

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
10/7/17			0			0	24	
10/8/17			0			0	24	
10/9/17			0			0	24	
10/10/17			0			0	24	
10/11/17			0			0	24	
10/12/17	8:22		15.64			0	24	Cummins shutdown for yearly outage
10/13/17			24	7:58	8:48	0.83	23.04	Cummins shutdown/Lining out flare
10/13/17				10:52	11:00	0.13		Cummins shutdown/Lining out flare
10/14/17			24			0	24	Cummins shutdown for yearly outage
10/15/17			24			0	24	Cummins shutdown for yearly outage
10/16/17			24			0	24	Cummins shutdown for yearly outage
10/17/17			24			0	24	Cummins shutdown for yearly outage
10/18/17			24			0	24	Cummins shutdown for yearly outage
10/19/17			24			0	24	Cummins shutdown for yearly outage
10/20/17			24			0	24	Cummins shutdown for yearly outage
10/21/17			24			0	24	Cummins shutdown for yearly outage
10/22/17			24			0	24	Cummins shutdown for yearly outage
10/23/17	9:35	09:12	9.2	8:59	9:18	0.31	23.69	Cummins ready for startup
10/23/17	12:53	11:41	2.1					Croda and treatment plant having problems
10/23/17		14:55	2.03					Croda and treatment plant having problems
10/24/17			0			0	24	
10/25/17	10:28	11:05	0.62	10:28	11:25	0.95	23.05	Croda and treatment plant having problems
10/25/17	11:18	11:21	0.05					Croda and treatment plant having problems
10/25/17	14:15		9.75					Croda and treatment plant having problems
10/26/17			24			0	24	Croda and treatment plant having problems
10/27/17			24			0	24	Croda and treatment plant having problems
10/28/17			24			0	24	Croda and treatment plant having problems
10/29/17			24			0	24	Croda and treatment plant having problems
10/30/17			24			0	24	Croda and treatment plant having problems

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
10/31/17			24			0	24	Croda and treatment plant having problems
11/1/17		14:02	14.03			0	24	Shutdown due to problems at Cummins
11/1/17	14:48		9.2					Shutdown due to problems at Cummins
11/2/17				9:18	9:28	0.16	23.14	Rosie's cleaning out sumps
11/2/17				10:33	10:37	0.06		Rosie's cleaning out sumps
11/2/17				10:45	10:48	0.05		Rosie's cleaning out sumps
11/2/17		13:23	13.38	13:21	13:47	0.43		Cummins gave the okay to start up
11/2/17				14:03	14:13	0.16		Tripped on low flow
11/3/17	18:00	19:37	1.61	18:00	19:54	1.90	22.02	Power failure at site
11/3/17				20:09	20:14	0.08		Flare tripped while switching compressors
11/4/17			0			0	24	
11/5/17			0			0	24	
11/6/17			0			0	24	
11/7/17			0			0	24	
11/8/17	7:03	7:29	0.43	7:03	7:41	0.63	23.37	Power glitch
11/9/17			0	2:07	2:19	0.20	21.97	Flare stopped to control vacuum
11/9/17				2:54	4:09	1.25		Flare stopped to control vacuum
11/9/17				6:13	6:48	0.58		Flare stopped to control vacuum
11/10/17			0			0	24	
11/11/17	1:26	2:24	0.96				19.29	Having electrical troubles with breaker
11/11/17	4:48	5:22	0.56	5:12				Having electrical troubles with breaker
11/11/17	6:50		17.17		8:47	3.58		Having electrical troubles with breaker
11/11/17				9:39	10:47	1.13		Having electrical troubles with breaker
11/12/17			24			0	24	Having electrical troubles with breaker
11/13/17			24	19:38	19:54	0.26	23.74	Pressure transmitter conflict
11/14/17			24			0	24	Having electrical troubles with breaker
11/15/17			24			0	24	Having electrical troubles with breaker
11/16/17			24	9:35	10:48	1.21	19.86	Breaker Tripped
11/16/17				12:39	15:35	2.93		Hooking up 65kW rental generator

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
11/17/17			24			0	24	Running flare on 65kW rental generator
11/18/17			24			0	24	Running flare on 65kW rental generator
11/19/17			24			0	24	Running flare on 65kW rental generator
11/20/17		14:23	14.38	12:37	14:06	1.48	21.94	Switched over to a 200kW generator
11/20/17	14:43	15:18	0.58	14:19	14:40	0.35		shutdown flare to start up
11/20/17				23:46		0.23		Flare tripped when C4 came on
11/21/17					0:06	0.10	22.12	Plant shutdown due to high Oxygen
11/21/17	0:21	7:03	6.7					Cummins coming on line
11/21/17	7:26	7:52	0.43	8:07	8:23	0.26		Cummins coming on line
11/21/17	8:27	8:47	0.33					Cummins coming on line
11/21/17	20:26	20:41	0.25					Cummins having trouble
11/21/17	20:43	20:59	0.26	20:43	22:14	1.52		Cummins having trouble
11/21/17	20:11		3.81					Cummins having trouble
11/22/17		10:49	10.81	0.45	10:53	0.15	23.29	Cummins having trouble
11/22/17	10:54	19:40	8.76	0.82	19:49	0.05		Cummins having trouble
11/22/17	21:28	21:35	0.11	20:10	20:21	0.18		Cummins having trouble
11/22/17				21:19	21:39	0.33		Cummins having trouble
11/23/17	8:16	9:14	0.96			0	24	Cummins having trouble
11/24/17			0			0	24	
11/25/17			0			0	24	
11/26/17			0			0	24	
11/27/17			0			0	24	
11/28/17			0			0	24	
11/29/17			0			0	24	
11/30/17			0			0	24	
12/1/17			0			0	24	
12/2/17			0			0	24	
12/3/17			0			0	24	
12/4/17	7:05	7:28	0.38	7:05	9:25	2.33	20.46	Generator ran out of fuel

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
12/4/17	8:01	8:05	0.06					Electrical Switch Over
12/4/17	15:48	16:45	0.95	15:48	17:01	1.21		Electrical Switch Over
12/5/17			0	7:53	13:11	5.06	18.94	Replace Surge Protector
12/6/17			0	9:10	9:43	0.55	22.00	Tripped on high vacuum
12/6/17				12:36	14:03	1.45		Tripped on high vacuum
12/7/17			0			0	24	
12/8/17			0			0	24	
12/9/17			0	13:07		10.88	13.12	valve froze up
12/10/17			0		10:54	10.90	13.10	valve froze up
12/11/17			0			0	24	
12/12/17			0			0	24	
12/13/17			0			0	24	
12/14/17			0			0	24	
12/15/17			0			0	24	
12/16/17	8:58		15.04	7:51	11:24	3.55	19.87	Problem with valve 121
12/16/17				11:36	12:11	0.58		Problem with valve 121
12/17/17			24			0	24	Repaired problem with valve 121
12/18/17		10:04	10.06				23.24	Cummins having problems
12/18/17	10:17	11:00	0.71	9:58	10:44	0.76		Cummins having problems
12/19/17			0			0	24	
12/20/17			0	11:07	11:13	0.10	23.90	Flare tripped lost communication
12/21/17			0			0	24	Cummins having problems
12/22/17	14:27	14:51	0.4	14:27	15:02	0.48	23.07	Cummins having problems
12/22/17	15:13	15:19	0.1	16:05	16:32	0.45		Cummins having problems
12/23/17			0			0	24	
12/24/17			0			0	24	
12/25/17			0			0	24	
12/26/17	18:04	20:38	2.56	20:30	22:25	1.91	21.73	Cummins having problems
12/26/17	21:18	21:20	0.03	22:36	22:58	0.36		Cummins having problems

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
12/26/17	21:46	21:54	0.13					Cummins having problems
12/27/17	6:10	6:36	0.43	6:39	7:08	0.48	23.52	Cummins having problems
12/27/17	8:43	8:45	0.03					Cummins having problems
12/27/17	9:01	9:06	0.08					Cummins having problems
12/27/17	11:32	14:19	2.78					Cummins having problems
12/27/17	20:12	20:28	0.26					Cummins having problems
12/28/17	2:16	3:29	1.21	12:39	12:59	0.33	22.01	Cummins having problems
12/28/17	3:40	3:47	0.11	13:44	14:26	0.70		Cummins having problems
12/28/17	8:18	8:45	0.45					Cummins having problems
12/28/17	14:19	14:23	0.06					Cummins having problems
12/28/17	20:23	20:27	0.06	20:31	21:29	0.96		Cummins having problems
12/29/17			0	4:30	6:35	2.08	21.92	Cummins having problems
12/30/17	14:23	14:47	0.4	14:23	15:12	0.81	23.19	Cummins having problems
12/31/17	8:33	8:37	0.06	8:40	9:36	0.93	20.76	Cummins having problems
12/31/17	10:08	10:13	0.08					Cummins having problems
12/31/17	10:56	13:23	2.45					Cummins having problems
12/31/17	13:28	13:38	0.16	13:28	15:47	2.31		Cummins having problems
12/31/17	13:48		10.2					Cummins having problems

Attachment B

WELLHEAD MONITORING RESULTS
PRESSURE EXCEEDANCES (with passing read shown)
Cherry Island Landfill
JULY 1, 2017 THROUGH DECEMBER 31, 2017

Condition 3 - Table 1 (c)(1)(x)(C) Emission Unit 4

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
July							
CILFG004	7/27/2017 8:03	30.7	0.4	0.00	71.9		Increased Vacuum
CILFG004	7/27/2017 8:06	30.0	0.0	-0.10	72.6	<1	Re Check
CILFG011	7/27/2017 8:20	31.8	0.3	0.34	74.8		Increased Vacuum
CILFG011	7/27/2017 8:23	31.0	0.2	-0.68	75.9	<1	Re Check
CILFG038	7/26/2017 13:55	53.0	0.2	0.04	85.7		Increased Vacuum
CILFG038	7/26/2017 13:58	53.1	0.0	-0.23	82.1	<1	Re Check
CILFG094R	7/26/2017 10:00	58.2	0.4	0.16	122.1		Increased Vacuum
CILFG094R	7/26/2017 10:03	58.3	0.0	-0.25	122.1	<1	Re Check
CILFG109	7/17/2017 14:43	29.0	7.8	-9.76	91.5		Decreased Vacuum
CILFG109	7/17/2017 14:46	29.3	7.7	-9.76	91.0		Decreased Vacuum
CILFG109	7/20/2017 8:18	29.0	7.9	-8.52	86.8		Decreased Vacuum
CILFG109	7/20/2017 8:20	0.6	20.3	-6.28	87.6		Increased Vacuum
CILFG109	7/26/2017 19:58	61.8	0.6	0.76	79.3		Increased Vacuum
CILFG109	7/27/2017 9:20	49.0	3.6	-6.23	82.2	10	Re Check
CILFG207R	7/10/2017 10:32	58.8	0.1	14.62	128.2		Increased Vacuum
CILFG207R	7/10/2017 10:35	59.3	0.0	-30.90	136.2		Opened Fully
CILFG207R	7/17/2017 10:19	54.8	1.4	-30.58	136.0		Decreased Vacuum
CILFG207R	7/17/2017 10:22	54.4	1.1	-8.35	128.5	7	Re Check
CILFG241	7/10/2017 10:00	59.0	0.1	1.40	88.0		Increased Vacuum
CILFG241	7/10/2017 10:02	58.0	0.3	-16.96	88.4	<1	Re Check
CILFG283	7/27/2017 10:00	61.8	0.0	0.00	84.0		Increased Vacuum
CILFG283	7/27/2017 10:04	61.1	0.0	0.10	95.0		Connected for Read
CILFG283	7/27/2017 13:02	60.7	0.3	0.00	97.0		Increased Vacuum
CILFG283	7/27/2017 13:04	59.9	1.7	-7.20	98.0	<1	Connected for Read
CILFG302	7/11/2017 8:21	55.7	0.2	38.08	132.3		Increased Vacuum
CILFG302	7/11/2017 8:23	56.6	0.0	-16.10	139.8		Opened Fully
CILFG302	7/17/2017 10:45	56.3	0.3	-27.78	135.9		Decreased Vacuum
CILFG302	7/17/2017 10:48	57.1	0.0	-11.17	129.7	6	Re Check
August							
CILFG007	8/28/2017 11:05	61.9	0.0	0.06	80.1		Increased Vacuum
CILFG007	8/28/2017 11:08	62.0	0.0	-0.56	80.3	<1 day	Re Check
CILFG011	8/28/2017 13:10	28.1	0.0	0.08	83.3		Increased Vacuum
CILFG011	8/28/2017 13:13	27.8	0.0	-1.33	82.9	<1 day	Re Check
CILFG094R	8/16/2017 9:24	29.5	9.3	-6.25	108.9		Decreased Vacuum
CILFG094R	8/16/2017 9:27	57.5	0.0	0.29	115.9		Increased Vacuum
CILFG094R	8/16/2017 9:29	46.4	3.3	-0.87	116.0	<1 day	Re Check
CILFG125	8/8/2017 9:06	31.9	0.2	0.27	77.9		Increased Vacuum
CILFG125	8/8/2017 9:08	38.6	0.0	-5.57	84.8	<1 day	Re Check
CILFG134	8/8/2017 7:12	67.4	0.2	0.06	67.0		Increased Vacuum
CILFG134	8/8/2017 7:14	67.7	0.0	-0.51	68.1	<1 day	Re Check
CILFG188	8/21/2017 9:43	64.0	0.0	0.10	89.0		Connected for Read
CILFG188	8/23/2017 8:19	57.2	0.9	-6.40	83.0	<1 day	Connected for Read

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
CILFG207R	8/9/2017 9:17	59.4	0.2	9.35	130.7		Increased Vacuum
CILFG207R	8/9/2017 9:19	59.6	0.0	-10.05	135.1		Decreased Vacuum
CILFG207R	8/10/2017 9:23	58.5	0.3	-13.70	133.0		Increased Vacuum
CILFG207R	8/10/2017 9:25	58.4	0.2	-24.87	133.8		Fully Open
CILFG207R	8/14/2017 10:25	50.7	1.6	-34.18	135.3		Decreased Vacuum
CILFG207R	8/14/2017 10:28	50.5	1.5	-33.56	135.5		Decreased Vacuum
CILFG207R	8/16/2017 7:28	53.9	1.2	-31.24	134.8		Decreased Vacuum
CILFG207R	8/16/2017 7:30	54.4	0.9	-9.30	128.9	7 days	Re Check
CILFG264	8/28/2017 13:36	18.4	0.0	0.98	85.6		Increased Vacuum
CILFG264	8/28/2017 13:38	18.6	0.0	-1.53	86.8	<1 day	Re Check
CILFHC06	8/8/2017 10:00	59.8	0.1	0.41	72.0		Increased Vacuum
CILFHC06	8/8/2017 10:03	52.9	2.1	-1.90	71.7	<1 day	Re Check
September							
CILFG013	9/12/2017 10:13	51.8	0.0	0.03	76.2		Decreased Vacuum
CILFG013	9/12/2017 10:15	51.6	0.0	-0.04	77.5	< 1 day	Re Check
CILFG023	9/12/2017 9:57	44.6	0.1	0.02	75.3		Decreased Vacuum
CILFG023	9/12/2017 9:59	44.5	0.0	-0.13	74.8	< 1 day	Re Check
CILFG121R2	9/27/2017 13:56	55.6	0.0	6.53	114.7		Decreased Vacuum
CILFG121R2	9/27/2017 13:59	55.3	0.0	-12.69	115.1	< 1 day	Re Check
CILFG135R	9/19/2017 9:30	57.3	0.0	0.00	115.0		Decreased Vacuum
CILFG135R	9/20/2017 10:33	45.0	3.8	-3.62	116.0	< 1 day	Re Check
CILFG202R	9/25/2017 13:36	59.0	0.2	-13.67	135.5		Decreased Vacuum
CILFG202R	9/25/2017 13:38	59.0	0.0	-3.64	135.1		Increased Vacuum
CILFG202R	9/27/2017 9:10	58.1	0.1	7.52	138.3		Increased Vacuum
CILFG202R	9/27/2017 9:13	58.8	0.0	-12.86	137.6		Increased Vacuum
CILFG202R	10/2/2017 14:50	59.2	0.1	-16.51	135.6		Decreased Vacuum
CILFG202R	10/2/2017 14:52	58.7	0.0	-0.30	136.9		Increased Vacuum
CILFG202R	10/4/2017 13:03	59.5	0.2	7.62	139.2		Increased Vacuum
CILFG202R	10/4/2017 13:06	60.1	0.0	-17.09	138.3		Fully Open
CILFG202R	10/5/2017 14:14	58.6	0.1	-14.08	135.3		Decreased Vacuum
CILFG202R	10/5/2017 14:17	59.0	0.0	-0.04	136.4		Increased Vacuum
CILFG202R	10/5/2017 14:19	58.9	0.0	-14.24	135.7		Opened Fully
CILFG202R	10/9/2017 13:43	58.4	0.1	-14.52	135.0		Increased Vacuum
CILFG202R	10/9/2017 13:46	58.5	0.0	-16.33	135.2		Decreased Vacuum
CILFG202R	10/10/2017 8:42	58.4	0.3	-14.12	134.8		Decreased Vacuum
CILFG202R	10/10/2017 8:44	58.7	0.0	-14.61	134.9		Decreased Vacuum
CILFG202R	10/10/2017 14:07	58.3	0.3	-23.96	134.6		Fully Open
CILFG202R	10/20/2017 8:15	57.9	0.4	-18.43	133.6		Decreased Vacuum
CILFG202R	10/20/2017 8:17	58.2	0.0	-18.01	134.0		Opened Fully
CILFG202R	10/25/2017 16:28	57.5	0.2	-20.07	134.2		Decreased Vacuum
CILFG202R	10/25/2017 16:31	57.2	0.0	-5.23	135.2		System expansion 10/27/17
CILFG202R	11/8/2017 13:26	55.0	0.7	-25.76	130.8	44 days	Re Check
CILFHB07	9/26/2017 10:25	60.9	0.0	0.20	79.0		Decreased Vacuum
CILFHB07	9/28/2017 8:26	59.6	0.3	-9.73	87.8	< 1 day	Re Check
October							
CILFG005	10/17/2017 13:31	12.2	0.1	0.05	73.9		Increased Vacuum
CILFG005	10/17/2017 13:35	10.0	0.0	-0.24	74.3	<1 day	Re Check
CILFG008	10/17/2017 13:44	32.9	0.0	0.04	76.8		Increased Vacuum
CILFG008	10/17/2017 13:45	32.7	0.0	-0.11	78.0	<1 day	Re Check
CILFG010	10/18/2017 10:28	28.8	0.1	0.03	69.5		Increased Vacuum
CILFG010	10/18/2017 10:30	35.8	0.0	-0.06	86.3	<1 day	No Change
CILFG013	10/18/2017 14:57	45.8	0.0	0.03	80.4		Increased Vacuum
CILFG013	10/18/2017 14:59	45.4	0.0	-0.22	82.3	<1day	Re Check

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
CILFG016	10/17/2017 13:52	19.7	0.0	0.00	84.6		Increased Vacuum
CILFG016	10/17/2017 13:54	19.3	0.0	-0.11	86.1	<1 day	Re Check
CILFG030	10/18/2017 14:16	55.4	0.0	0.11	82.8		Decreased Vacuum
CILFG030	10/18/2017 14:18	54.3	0.0	-0.17	81.9	<1 day	Re Check
CILFG094R	10/4/2017 13:19	59.4	0.0	0.40	122.2		Increased Vacuum
CILFG094R	10/4/2017 13:22	53.8	1.2	-1.47	122.4	<1 day	Re Check
CILFG134	10/17/2017 8:36	66.2	0.1	0.04	49.0		Increased Vacuum
CILFG134	10/17/2017 8:38	66.3	0.0	-0.35	58.8	<1 day	Re Check
CILFG207R	10/5/2017 14:41	59.7	0.1	15.30	127.2		Increased Vacuum
CILFG207R	10/5/2017 14:43	60.3	0.0	-10.39	135.8		Opened Fully
CILFG207R	10/9/2017 13:11	55.9	1.0	-14.97	135.3		Decreased Vacuum
CILFG207R	10/9/2017 13:16	58.2	0.3	0.05	130.2		Increased Vacuum
CILFG207R	10/9/2017 13:20	59.0	0.2	0.28	130.5		Increased Vacuum
CILFG207R	10/9/2017 13:22	58.9	0.2	-3.65	133.3		Increased Vacuum
CILFG207R	10/11/2017 13:20	59.6	0.0	-3.21	134.5		Increased Vacuum
CILFG207R	10/11/2017 13:25	59.6	0.0	-11.98	136.4		Fully Open
CILFG207R	10/20/2017 8:02	56.5	1.1	-13.81	135.5		Decreased Vacuum
CILFG207R	10/20/2017 8:04	57.5	0.6	-0.25	125.2	15 days	Re Check
CILFG307	10/23/2017 14:17	59.0	0.0	0.80	81.0		Connected for Read
CILFG307	10/25/2017 15:56	58.9	0.0	-15.79	102.1	<1day	Re Check
November							
CILFG003	11/13/2017 13:42	64.2	0.1	0.02	46.3		Increased Vacuum
CILFG003	11/13/2017 13:44	64.4	0.0	-0.33	56.7	<1 day	Re Check
CILFG007	11/13/2017 13:35	64.0	0.1	0.05	47.2		Increased Vacuum
CILFG007	11/13/2017 13:37	64.1	0.0	-0.13	50.5	<1 day	Re Check
CILFG008	11/14/2017 8:58	40.1	0.1	0.02	65.0		Increased Vacuum
CILFG008	11/14/2017 9:00	40.0	0.0	-0.10	66.2	<1 day	Re Check
CILFG010	11/13/2017 13:20	61.9	0.1	0.01	70.3		Increased Vacuum
CILFG010	11/13/2017 13:23	62.1	0.0	-0.68	81.4	<1 day	Re Check
CILFG023	11/14/2017 8:33	43.8	0.0	0.03	49.6		Increased Vacuum
CILFG023	11/14/2017 8:38	41.8	0.0	-0.01	52.3	<1 day	Re Check
CILFG024	11/13/2017 14:32	72.0	0.0	0.42	49.4		Increased Vacuum
CILFG024	11/13/2017 14:34	71.1	0.0	-0.69	52.5	<1 day	Re Check
CILFG025	11/14/2017 8:21	58.7	0.0	0.05	57.5		Increased Vacuum
CILFG025	11/14/2017 8:23	58.0	0.0	-0.11	55.0	<1 day	Re Check
CILFG026	11/14/2017 8:24	41.7	0.1	0.07	50.5		Increased Vacuum
CILFG026	11/14/2017 8:27	41.2	0.0	-0.14	56.7	<1 day	Re Check
CILFG027	11/14/2017 8:12	64.8	0.0	0.05	47.3		Increased Vacuum
CILFG027	11/14/2017 8:14	64.6	0.0	-0.12	43.5	<1 day	Re Check
CILFG030	11/14/2017 8:04	62.9	0.2	0.04	50.1		Increased Vacuum
CILFG030	11/14/2017 8:07	62.9	0.0	-0.03	53.0	<1 day	Re Check
CILFG035	11/14/2017 8:05	54.4	0.2	0.02	54.1		Increased Vacuum
CILFG035	11/14/2017 8:07	54.8	0.0	-0.26	51.6	<1 day	Re Check
CILFG087	11/15/2017 8:48	57.6	0.1	0.18	86.8		Increased Vacuum
CILFG087	11/15/2017 8:50	57.8	0.0	-0.29	94.5	<1 day	Re Check
CILFHC03	11/16/2017 9:27	50.5	0.1	0.01	56.6		Increased Vacuum
CILFHC03	11/16/2017 9:29	50.4	0.0	-0.27	56.5	<1 day	Re Check
CILFHC15	11/15/2017 10:54	59.1	0.1	0.02	60.5		Increased Vacuum
CILFHC15	11/15/2017 10:56	59.4	0.0	-0.53	59.5	<1 day	Re Check

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
December							
CILFG004	12/6/2017 14:31	37.6	0.1	0.04	51.5		Increased Vacuum
CILFG004	12/6/2017 14:33	38.1	0.0	-0.03	46.3	< 1 day	Re Check
CILFG027	12/8/2017 9:09	64.7	0.2	0.11	42.9		Increased Vacuum
CILFG027	12/8/2017 9:11	64.8	0.0	-1.90	51.7	< 1 day	Re Check
CILFG078R	12/12/2017 14:18	60.2	0.0	0.83	106.2		Increased Vacuum
CILFG078R	12/12/2017 14:20	60.4	0.0	-3.49	109.1	< 1 day	Re Check
CILFG096	12/19/2017 10:16	59.5	0.1	0.05	87.0		Increased Vacuum
CILFG096	12/19/2017 10:19	59.6	0.0	-0.49	93.9	< 1 day	Re Check
CILFG156R	12/19/2017 7:40	58.4	0.1	25.40	101.0		Increased Vacuum
CILFG156R	12/19/2017 7:57	58.3	0.1	-0.10	101.0	< 1 day	Re Check
CILFG202R	12/1/2017 12:51	59.5	0.1	-18.17	134.5		Decreased Vacuum
CILFG202R	12/1/2017 12:54	58.5	0.0	2.79	127.6		Opened Fully
CILFG202R	12/1/2017 12:57	59.4	0.0	-16.43	135.0		Decreased Vacuum
CILFG202R	12/4/2017 13:01	58.1	0.5	-11.53	130.6	3 days	Re Check
CILFHC15	12/1/2017 10:10	35.0	6.7	-1.41	57.3		Decreased Vacuum
CILFHC15	12/1/2017 10:13	36.2	6.6	-0.43	59.2		Decreased Vacuum
CILFHC15	12/4/2017 13:28	59.7	0.1	0.05	63.0		Increased Vacuum
CILFHC15	12/4/2017 13:31	59.6	0.0	-0.30	61.6	3 days	Re Check

SUMMARY OF PRESSURE EXCEEDANCES
JULY 1, 2017 THROUGH DECEMBER 31, 2017

Month	Number of Vertical Wells with Pressure Exceedances	Number of Horizontal Collectors with Pressure Exceedances
July	9	0
August	8	1
September	5	1
October	10	0
November	12	2
December	6	1

Attachment C

WELLHEAD MONITORING RESULTS
OXYGEN EXCEEDANCES (with passing read shown)
Cherry Island Landfill
JULY 1, 2017 THROUGH DECEMBER 31, 2017

Condition 3 - Table 1 (c)(1)(x)(C) Emission Unit 4

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
July							
CILFG078R	7/11/2017 14:14	40.7	6.3	-26.14	107.8		Decreased Vacuum
CILFG078R	7/11/2017 14:17	35.7	7.6	-15.54	104.7		Decreased Vacuum
CILFG078R	7/17/2017 11:24	42.5	6.0	-7.34	108.3		Decreased Vacuum
CILFG078R	7/17/2017 11:27	46.7	4.8	-0.73	106.8	6	Re Check
CILFG095	7/26/2017 9:44	20.9	12.1	-8.51	102.1		Decreased Vacuum
CILFG095	7/26/2017 9:49	23.3	11.3	-4.29	101.1		Decreased Vacuum
CILFG095	7/27/2017 10:44	26.6	10.6	-5.65	103.2		Decreased Vacuum
CILFG095	7/27/2017 10:46	28.0	10.0	-3.71	102.5		Decreased Vacuum
CILFG095	7/31/2017 12:10	30.4	8.2	-3.36	106.3		Decreased Vacuum
CILFG095	7/31/2017 12:19	34.4	6.9	-0.99	105.3		Decreased Vacuum
CILFG095	8/8/2017 6:41	55.7	1.2	-0.67	90.4	13	Re Check
CILFG109	7/17/2017 14:43	29.0	7.8	-9.76	91.5		Decreased Vacuum
CILFG109	7/17/2017 14:46	29.3	7.7	-9.76	91.0		Decreased Vacuum
CILFG109	7/20/2017 8:18	29.0	7.9	-8.52	86.8		Decreased Vacuum
CILFG109	7/20/2017 8:20	0.6	20.3	-6.28	87.6		Increased Vacuum
CILFG109	7/26/2017 19:58	61.8	0.6	0.76	79.3		Increased Vacuum
CILFG109	7/27/2017 9:20	49.0	3.6	-6.23	82.2	10	Re Check
CILFG228R	7/11/2017 8:48	9.7	15.6	-25.33	84.8		Increased Vacuum
CILFG228R	7/11/2017 8:51	12.4	13.7	-25.59	87.2		Opened Fully
CILFG228R	7/17/2017 10:58	39.6	7.0	-25.15	95.3		Decreased Vacuum
CILFG228R	7/17/2017 11:04	24.9	11.6	-23.33	93.7		Decreased Vacuum
CILFG228R	7/20/2017 8:10	59.7	0.4	-22.71	87.3	9	Re Check
CILFHB06	7/25/2017 8:21	19.8	16.0	-15.60	71.0		Increased Vacuum
CILFHB06	7/25/2017 8:23	24.5	11.1	-14.40	71.0		Connected for Read
CILFHB06	7/25/2017 10:32	42.9	3.2	-17.90	74.0	<1	Connected for Read
CILFHC06	7/11/2017 14:25	27.2	10.9	-8.93	88.0		Decreased Vacuum
CILFHC06	7/11/2017 14:27	23.9	12.0	-4.14	87.5		Decreased Vacuum
CILFHC06	7/17/2017 11:11	13.5	15.8	-6.54	88.0		Increased Vacuum
CILFHC06	7/17/2017 11:15	7.4	17.9	-9.54	87.3		Decreased Vacuum
CILFHC06	7/20/2017 8:27	46.1	4.4	-1.27	84.7	9	Re Check
August							
CILFG044	8/24/2017 10:33	28.6	5.8	-0.49	83.6		No Change
CILFG044	8/28/2017 10:18	27.7	5.4	-0.42	82.2		Increased Vacuum
CILFG044	8/28/2017 10:20	32.4	3.3	-0.96	68.8	4 days	Re Check
CILFG089R	8/8/2017 11:05	48.4	10.5	-7.58	99.7		Decreased Vacuum
CILFG089R	8/8/2017 11:07	50.2	0.2	-2.42	99.6	<1 day	Re Check
CILFG094R	8/16/2017 9:24	29.5	9.3	-6.25	108.9		Decreased Vacuum
CILFG094R	8/16/2017 9:27	57.5	0.0	0.29	115.9		Increased Vacuum
CILFG094R	8/16/2017 9:29	46.4	3.3	-0.87	116.0	<1 day	Re Check
CILFG228R	8/9/2017 9:02	33.9	7.7	-31.60	79.0		Increased Vacuum
CILFG228R	8/9/2017 9:04	32.8	8.3	-32.00	82.0		Decreased Vacuum
CILFG228R	8/9/2017 9:06	33.8	8.2	-32.10	81.0		No Change
CILFG228R	8/10/2017 9:17	48.4	4.8	-31.01	91.6	1 day	Re Check
CILFHB06	8/21/2017 13:56	33.4	10.0	-17.40	88.0		Connected for Read
CILFHB06	8/24/2017 11:08	4.0	18.6	-13.90	83.7		Decreased Vacuum
CILFHB06	8/24/2017 11:11	14.0	16.2	-5.14	83.6		Connected for Read
CILFHB06	9/5/2017 14:12	10.7	17.9	-14.70	90.0		Decreased Vacuum
CILFHB06	9/5/2017 14:13	23.9	12.7	-11.30	89.0	15 days	Decomissioning Well

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
September							
CILFG149	9/13/2017 8:41	30.4	6.1	-10.35	94.6		Decreased Vacuum
CILFG149	9/13/2017 8:44	26.1	7.4	-6.27	93.9		Decreased Vacuum
CILFG149	9/18/2017 14:54	32.2	5.9	-5.05	96.5		Decreased Vacuum
CILFG149	9/18/2017 14:56	29.1	6.7	-2.84	96.0		Decreased Vacuum
CILFG149	9/20/2017 10:52	36.3	4.6	-1.00	97.2	7 days	Re Check
CILFG189	9/21/2017 10:22	17.7	13.5	-7.70	89.0		Connected for Read
CILFG189	9/26/2017 10:31	59.2	0.0	-2.70	87.0	5 days	Connected for Read
CILFG191	9/27/2017 10:26	20.7	13.0	-23.79	84.5		Decreased Vacuum
CILFG191	9/27/2017 10:29	42.2	4.8	-24.07	84.6	< 1 day	Re Check
CILFHC01	9/28/2017 13:28	16.5	13.9	-17.09	84.7		Decreased Vacuum
CILFHC01	9/28/2017 13:30	16.3	14.0	-17.19	85.4		Decreased Vacuum
CILFHC01	10/11/2017 10:17	59.3	0.4	-6.76	89.2	13 days	No Change
CILFHC03	9/27/2017 13:39	22.0	8.2	-8.69	89.5		Decreased Vacuum
CILFHC03	9/27/2017 13:43	8.9	12.6	-0.30	89.4		Decreased Vacuum
CILFHC03	10/2/2017 15:09	31.4	0.0	-0.08	77.9	5 days	Re Check
October							
CILFG087	10/24/2017 13:27	26.2	7.3	-17.62	111.5		Decreased Vacuum
CILFG087	10/24/2017 13:33	35.7	4.8	-0.03	105.8	<1 day	Re Check
CILFG095	10/4/2017 13:34	34.0	5.6	-2.02	103.3		Decreased Vacuum
CILFG095	10/4/2017 13:37	42.0	3.4	-0.36	99.8	<1 day	Re Check
November							
CILFG044	11/14/2017 9:58	30.0	6.5	-0.32	61.4		Decreased Vacuum
CILFG044	11/14/2017 10:01	32.7	5.3	-0.35	63.2		Increased Vacuum
CILFG044	11/21/2017 9:13	39.2	3.4	-1.11	72.8	7 days	Re Check
CILFG191	11/15/2017 8:45	21.7	13.3	-22.76	47.2		Decreased Vacuum
CILFG191	11/15/2017 8:47	45.1	4.2	-18.53	47.1	<1 day	Re Check
CILFG228R	11/28/2017 9:18	33.6	6.3	-23.69	48.6		Decreased Vacuum
CILFG228R	11/28/2017 9:22	22.5	11.8	-9.37	48.6		Increased Vacuum
CILFG228R	11/30/2017 10:13	38.2	4.8	-19.06	44.3	2 days	Re Check
CILFG242	11/15/2017 11:07	0.0	21.6	-20.34	84.1		Decreased Vacuum
CILFG242	11/15/2017 11:12	61.8	0.0	-14.25	79.7	<1 day	Re Check
December							
CILFG109	12/19/2017 9:18	28.1	8.1	-10.57	74.5		Decreased Vacuum
CILFG109	12/19/2017 9:23	2.2	15.9	-6.61	64.1		Decreased Vacuum
CILFG109	12/20/2017 9:23	39.0	3.4	-0.45	61.9	1 day	Re Check
CILFG152	12/19/2017 14:05	40.3	5.4	-8.13	98.2		Decreased Vacuum
CILFG152	12/19/2017 14:08	41.3	4.9	-3.14	96.4	< 1 day	Re Check
CILFG157R	12/28/2017 10:41	0.2	18.6	-0.10	31.0		Increased Vacuum
CILFG157R	12/28/2017 10:43	43.7	6.1	-0.30	31.0		Connected for Read
CILFG157R	1/5/2018 10:13	65.1	1.1	-17.89	22.5	8 days	Re Check
CILFG191	12/19/2017 14:43	33.7	7.8	-13.39	62.2		Decreased Vacuum
CILFG191	12/19/2017 14:49	40.7	5.6	-12.83	62.4		Increased Vacuum
CILFG191	12/20/2017 9:41	49.3	3.0	-11.82	48.6	1 day	Re Check
CILFG198	12/13/2017 10:42	26.6	6.5	-17.13	82.1		Decreased Vacuum
CILFG198	12/13/2017 10:44	22.9	7.3	-7.86	80.1		Decreased Vacuum
CILFG198	12/19/2017 8:12	40.4	1.3	-4.15	76.2	6 day	Re Check
CILFG272	12/1/2017 10:18	30.2	6.1	-9.45	83.8		Decreased Vacuum
CILFG272	12/1/2017 10:22	47.6	2.5	-31.92	96.1	< 1 day	Increased Vacuum
CILFG292	12/12/2017 14:21	41.3	5.8	-11.60	48.0		Decreased Vacuum
CILFG292	12/12/2017 14:22	48.9	3.8	-0.68	47.2	< 1 day	Re Check
CILFHC15	12/1/2017 10:10	35.0	6.7	-1.41	57.3		Decreased Vacuum
CILFHC15	12/1/2017 10:13	36.2	6.6	-0.43	59.2		Decreased Vacuum
CILFHC15	12/4/2017 13:28	59.7	0.1	0.05	63.0		Increased Vacuum
CILFHC15	12/4/2017 13:31	59.6	0.0	-0.30	61.6	3 days	Re Check

WELLHEAD MONITORING RESULTS
TEMPERATURE EXCEEDANCES (with passing read shown)
Cherry Island Landfill
JULY 1, 2017 THROUGH DECEMBER 31, 2017

Condition 3 - Table 1 (c)(1)(x)(C) Emission Unit 4

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
July							
CILFG202R	7/11/2017 7:50	56.8	0.1	-23.41	133.7		Decreased Vacuum
CILFG202R	7/11/2017 7:52	56.3	0.0	-6.19	134.0		Opened Fully
CILFG202R	7/18/2017 9:58	57.2	0.3	-21.25	135.0		Decreased Vacuum
CILFG202R	7/18/2017 10:06	57.4	0.0	-8.14	135.2		Decreased Vacuum
CILFG202R	7/20/2017 8:01	58.1	0.1	-12.34	134.7		Increased Vacuum
CILFG202R	7/20/2017 8:04	58.3	0.0	-22.29	134.6		Opened Fully
CILFG202R	7/26/2017 19:50	58.2	0.4	-17.65	122.9	15	Re Check
CILFG207R	7/10/2017 10:32	58.8	0.1	14.62	128.2		Increased Vacuum
CILFG207R	7/10/2017 10:35	59.3	0.0	-30.90	136.2		Opened Fully
CILFG207R	7/17/2017 10:19	54.8	1.4	-30.58	136.0		Decreased Vacuum
CILFG207R	7/17/2017 10:22	54.4	1.1	-8.35	128.5	7	Re Check
CILFG302	7/11/2017 8:21	55.7	0.2	38.08	132.3		Increased Vacuum
CILFG302	7/11/2017 8:23	56.6	0.0	-16.10	139.8		Opened Fully
CILFG302	7/17/2017 10:45	56.3	0.3	-27.78	135.9		Decreased Vacuum
CILFG302	7/17/2017 10:48	57.1	0.0	-11.17	129.7	6	Re Check
August							
CILFG207R	8/9/2017 9:17	59.4	0.2	9.35	130.7		Increased Vacuum
CILFG207R	8/9/2017 9:19	59.6	0.0	-10.05	135.1		Decreased Vacuum
CILFG207R	8/10/2017 9:23	58.5	0.3	-13.70	133.0		Increased Vacuum
CILFG207R	8/10/2017 9:25	58.4	0.2	-24.87	133.8		Fully Open
CILFG207R	8/14/2017 10:25	50.7	1.6	-34.18	135.3		Decreased Vacuum
CILFG207R	8/14/2017 10:28	50.5	1.5	-33.56	135.5		Decreased Vacuum
CILFG207R	8/16/2017 7:28	53.9	1.2	-31.24	134.8		Decreased Vacuum
CILFG207R	8/16/2017 7:30	54.4	0.9	-9.30	128.9	7 days	Re Check
CILFG302	8/8/2017 14:35	58.4	0.2	-20.43	139.4		Decreased Vacuum
CILFG302	8/8/2017 14:37	58.2	0.0	-11.82	139.5		Decreased Vacuum
CILFG302	8/10/2017 9:10	57.7	0.1	-23.58	136.6		Increased Vacuum
CILFG302	8/10/2017 9:12	57.9	0.0	-32.13	136.5		Fully Open
CILFG302	8/14/2017 10:44	57.1	0.2	-33.20	135.2		Decreased Vacuum
CILFG302	8/14/2017 10:47	57.3	0.0	-32.49	135.3		Decreased Vacuum
CILFG302	8/16/2017 7:18	58.2	0.3	-26.77	135.9		Decreased Vacuum
CILFG302	8/16/2017 7:21	58.2	0.0	-9.24	128.9	8 days	Re Check
September							
CILFG202R	9/25/2017 13:36	59.0	0.2	-13.67	135.5		Decreased Vacuum
CILFG202R	9/25/2017 13:38	59.0	0.0	-3.64	135.1		Increased Vacuum
CILFG202R	9/27/2017 9:10	58.1	0.1	7.52	138.3		Increased Vacuum
CILFG202R	9/27/2017 9:13	58.8	0.0	-12.86	137.6		Increased Vacuum
CILFG202R	10/5/2017 14:14	58.6	0.1	-14.08	135.3		Decreased Vacuum
CILFG202R	10/5/2017 14:17	59.0	0.0	-0.04	136.4		Increased Vacuum
CILFG202R	10/5/2017 14:19	58.9	0.0	-14.24	135.7		Opened Fully
CILFG202R	10/10/2017 8:42	58.4	0.3	-14.12	134.8		Decreased Vacuum
CILFG202R	10/10/2017 8:44	58.7	0.0	-14.61	134.9		Decreased Vacuum
CILFG202R	10/10/2017 14:07	58.3	0.3	-23.96	134.6	Failed 15 day	Fully Open
CILFG202R	10/20/2017 8:15	57.9	0.4	-18.43	133.6		Decreased Vacuum
CILFG202R	10/20/2017 8:17	58.2	0.0	-18.01	134.0		Opened Fully
CILFG202R	10/25/2017 16:28	57.5	0.2	-20.07	134.2		Decreased Vacuum
CILFG202R	10/25/2017 16:31	57.2	0.0	-5.23	135.2		System expansion 10/27/17
CILFG202R	11/8/2017 13:26	55.0	0.7	-25.76	130.8	44 days	Re Check

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
CILFG207R	9/18/2017 13:31	59.9	0.0	-5.60	133.8		Increased Vacuum
CILFG207R	9/18/2017 13:34	59.8	0.0	-29.39	135.8		Opened Fully
CILFG207R	9/20/2017 10:40	46.9	2.1	-31.15	136.1		Decreased Vacuum
CILFG207R	9/20/2017 10:43	47.2	1.9	-29.08	135.0		Decreased Vacuum
CILFG207R	9/25/2017 10:31	49.0	2.2	-25.10	136.4		Decreased Vacuum
CILFG207R	9/25/2017 10:34	52.7	0.8	-1.08	130.3	7 days	Re Check
October							
CILFG207R	10/5/2017 14:41	59.7	0.1	15.30	127.2		Increased Vacuum
CILFG207R	10/5/2017 14:43	60.3	0.0	-10.39	135.8		Opened Fully
CILFG207R	10/9/2017 13:11	55.9	1.0	-14.97	135.3		Decreased Vacuum
CILFG207R	10/9/2017 13:16	58.2	0.3	0.05	130.2		Increased Vacuum
CILFG207R	10/9/2017 13:20	59.0	0.2	0.28	130.5		Increased Vacuum
CILFG207R	10/9/2017 13:22	58.9	0.2	-3.65	133.3		Increased Vacuum
CILFG207R	10/11/2017 13:20	59.6	0.0	-3.21	134.5		Increased Vacuum
CILFG207R	10/11/2017 13:25	59.6	0.0	-11.98	136.4		Fully Open
CILFG207R	10/20/2017 8:02	56.5	1.1	-13.81	135.5		Decreased Vacuum
CILFG207R	10/20/2017 8:04	57.5	0.6	-0.25	125.2	15 days	Re Check
CILFG302	10/24/2017 10:52	57.5	0.0	-15.31	135.0		Increased Vacuum
CILFG302	10/24/2017 10:55	57.7	0.0	-21.01	135.1		Opened Fully
CILFG302	10/25/2017 16:14	57.6	0.0	-17.34	134.9		Decreased Vacuum
CILFG302	10/25/2017 16:17	58.2	0.0	-8.15	130.9		Decreased Vacuum
CILFG302	10/25/2017 16:18	58.4	0.0	-5.38	130.0	1 day	Re Check
November							
CILFG202R	11/8/2017 13:29	58.7	0.9	-25.30	131.0		Decreased Vacuum
CILFG202R	11/8/2017 13:32	58.8	0.0	-16.47	128.6	<1 day	Re Check
CILFG207R	11/28/2017 9:31	44.8	3.5	-26.74	134.6		Decreased Vacuum
CILFG207R	11/28/2017 9:33	48.4	2.6	-6.36	120.3	<1 day	Re Check
CILFG302	11/28/2017 14:41	57.8	0.2	-6.07	139.0		Opened Fully
CILFG302	11/28/2017 14:45	57.9	0.0	-12.71	139.3		Decreased Vacuum
CILFG302	11/30/2017 10:01	56.7	0.2	-16.70	132.9		Decreased Vacuum
CILFG302	11/30/2017 10:03	56.9	0.0	-10.31	130.0	2 days	Re Check
December							
CILFG202R	12/1/2017 12:51	59.5	0.1	-18.17	134.5		Decreased Vacuum
CILFG202R	12/1/2017 12:54	58.5	0.0	2.79	127.6		Opened Fully
CILFG202R	12/1/2017 12:57	59.4	0.0	-16.43	135.0		Decreased Vacuum
CILFG202R	12/4/2017 13:01	58.1	0.5	-11.53	130.6	3 days	Re Check
CILFG302	12/1/2017 13:05	57.8	0.1	-1.91	135.7		Increased Vacuum
CILFG302	12/1/2017 13:07	57.7	0.0	-18.28	136.3		Opened Fully
CILFG302	12/4/2017 13:09	57.4	0.1	-21.31	134.4		Decreased Vacuum
CILFG302	12/4/2017 13:13	57.2	0.0	-9.11	129.8	3 days	Re Check

SUMMARY OF OXYGEN AND TEMPERATURE EXCEEDANCES
JULY 1, 2017 THROUGH DECEMBER 31, 2017

Oxygen

Month	Number of Vertical Gas Wells with Oxygen Exceedances	Number of Horizontal Collectors with Oxygen Exceedances
July	4	2
August	4	1
September	3	2
October	2	0
November	4	0
December	7	1

Temperature

Month	Number of Vertical Wells with Temperature Exceedances	Number of Horizontal Collectors with Temperature Exceedances
July	3	0
August	2	0
September	2	0
October	2	0
November	3	0
December	2	0

Attachment D

QUARTERLY SURFACE EMISSION MONITORING EXCEEDANCES
Cherry Island Landfill
JULY 1, 2017 THROUGH DECEMBER 31, 2017

Condition 3 - Table 1 (c)(1)(x)(C) Emission Unit 4
July through September 2017 — Third Quarter Monitoring

Original Recording			10-Day Re-Monitoring Event			20-Day Re-Monitoring Event			1 Month Re-Monitoring Event			1 Month+10 Days Re-Monitoring Event		
Location	Reading	Date	Corrective Action	Reading	Date	Corrective Action	Reading	Date	Corrective Action	Reading	Date	Corrective Action	Reading	Date
CILFG018	702	09/07/17	Clean earth, tampered	109.7	09/14/17	N/A			N/A	0.7	10/09/17	N/A		
CILFG022	588	09/07/17	Tuned well and surrounding wells	103.7	09/14/17	N/A			N/A	29.8	10/09/17	N/A		
CILFG023	509	09/07/17	Tuned well and surrounding wells	136.6	09/14/17	N/A			N/A	0.8	10/09/17	N/A		
CILFG033-LAT	544	09/07/17	Clean earth, tampered	3.4	09/14/17	N/A			N/A	0.6	10/09/17	N/A		
CILFG059R	1835	08/22/17	Cover repair	129.9	09/01/17	N/A			N/A	18.6	09/21/17	N/A		
CILFG086	552	08/30/17	Removed barrier, filled with clean earth	32.0	8/31/17/	N/A			N/A	51.7	09/29/17	N/A		
CILFG108R	1122	08/30/17	Cover repair	87.3	08/31/17	N/A			N/A	211.8	09/29/17	N/A		
CILFG112	630	08/30/17	Cover repair	235.0	8/31/17/	N/A			N/A	26.4	09/29/17	N/A		
CILFG118R	1538	08/22/17	Cover repair	261.2	09/01/17	N/A			N/A	9.7	09/21/17	N/A		
CILFG128	518	09/19/17	Cover repair	41.6	09/29/17	N/A			N/A	39.2	10/20/17	N/A		
CILFG132	603	09/14/17	Cover repair	31.7	09/22/17	N/A			N/A	11.2	10/16/17	N/A		
CILFG142	5046	09/14/17	Cover repair	16.6	09/22/17	N/A			N/A	9.6	10/16/17	N/A		
CILFG152	3058	08/30/17	Cover repair	216.6	08/31/17	N/A			N/A	470.2	09/29/17	N/A		
CILFG157R	1430	08/22/17	Cover repair	164.4	09/01/17	N/A			N/A	178.0	09/21/17	N/A		
CILFG162	704	08/22/17	Cover repair	368.4	09/01/17	N/A			N/A	32.1	09/21/17	N/A		
CILFG179	3495	08/30/17	Cover repair	483.7	08/31/17	N/A			N/A	86.1	09/29/17	N/A		
CILFG189	1289	09/19/17	Cover repair	200.5	09/29/17	N/A			N/A	216.0	10/20/17	N/A		

CILFG207R	744	08/30/17	Dug down,filled with clean earth, tamped	49.4	08/31/17	N/A			N/A	261.8	09/29/17	N/A		
CILFG224	1498	09/19/17	Cover repair	398.7	09/29/17	N/A			N/A	52.6	10/20/17	N/A		
CILFG231R	1851	08/30/17	Dug down,filled with clean earth, tamped	213.3	08/31/17	N/A			N/A	77.7	09/29/17	N/A		
CILFG237	554	09/14/17	Cover repair	24.1	09/22/17	N/A			N/A	86.6	10/16/17	N/A		
CILFG242	965	09/14/17	Cover repair	32.1	09/22/17	N/A			N/A	266.6	10/16/17	N/A		
CILFG246R	1441	08/22/17	Cover repair	441.0	09/01/17	N/A			N/A	24.8	09/21/17	N/A		
CILFG269	1077	09/14/17	Cover repair	211.8	09/22/17	N/A			N/A	63.0	10/16/17	N/A		
CILFG271	558	09/19/17	Cover repair	73.9	09/29/17	N/A			N/A	65.7	10/20/17	N/A		
CILFG288	6747	09/19/17	Cover repair	364.9	09/29/17	N/A			N/A	190.1	10/23/17	N/A		
CILFG296	768	09/19/17	Cover repair	290.5	09/29/17	N/A			N/A	288.9	10/20/17	N/A		
CILFG314	748	08/22/17	Cover repair	97.6	09/01/17	N/A			N/A	48.3	09/21/17	N/A		
CILFG316	664	08/22/17	Cover repair	6.4	09/01/17	N/A			N/A	16.0	09/21/17	N/A		
CILFHA04	552	08/22/17	Cover repair	186.6	09/01/17	N/A			N/A	78.4	09/21/17	N/A		
CILFHA15	7544	09/19/17	Cover repair	301.7	09/29/17	N/A			N/A	52.4	10/20/17	N/A		
CILFHB06	792	09/19/17	Cover repair	276.8	09/29/17	N/A			N/A	128.6	10/20/17	N/A		
CILFHC08	557	08/22/17	Cover repair	256.6	09/01/17	N/A			N/A	62.2	09/21/17	N/A		
CILFHC11	703	08/30/17	Cover repair	415.8	08/31/17	N/A			N/A	113.3	09/29/17	N/A		
CILFHC12	2818	08/30/17	Cover repair	166.8	8/31/17/	N/A			N/A	94.4	09/29/17	N/A		
CILFHC14	1109	09/19/17	Cover repair	132.2	09/29/17	N/A			N/A	1.5	10/20/17	N/A		
CILFHC17	3950	09/14/17	Cover repair	238.7	09/22/17	N/A			N/A	131.6	10/16/17	N/A		
CILFHC20	6626	09/14/17	Cover repair	284.2	09/22/17	N/A			N/A	46.5	10/16/17	N/A		
MH_04 Valve box	634	09/07/17	Drained	3.6	09/14/17	N/A			N/A	24.7	10/09/17	N/A		

MH 08	1062	09/07/17	Foamed top of MH lid	43.2	09/14/17	N/A			N/A	54.7	10/09/17	N/A		
MH 19	10900	09/14/17	Cover repair	396.6	09/22/17	N/A			N/A	301.6	10/16/17	N/A		
MH 20	7946	09/14/17	Cover repair	411.8	09/22/17	N/A			N/A	329.0	10/16/17	N/A		
MH V 2	2014	08/30/17	Cover repair	410.6	08/31/17	N/A			N/A	362.8	09/29/17	N/A		
MH V 5B	3048	08/22/17	Foamed top of MH lid	240.0	09/01/17	N/A			N/A	19.1	09/21/17	N/A		
MH V5	530	08/22/17	Cover repair	3.4	09/01/17	N/A			N/A	346.0	09/21/17	N/A		
Path Point 483	2064	08/28/17	Cover repair	27.2	09/07/17	N/A			N/A	23.7	09/29/17	N/A		
Path Point 803	685	08/30/17	Cover repair	5.4	09/08/17	N/A			N/A	9.8	09/29/17	N/A		
Path Point 825	2004	08/30/17	Cover repair	6.0	09/08/17	N/A			N/A	14.5	09/29/17	N/A		
Path Point 891	692	08/30/17	Cover repair	10.0	09/08/17	N/A			N/A	24.5	09/29/17	N/A		
Path Point 988	16852	08/30/17	Cover repair	78.6	09/08/17	N/A			N/A	124.4	09/29/17	N/A		
T-38 drain	1280	09/19/17	Cover repair	38.7	09/29/17	N/A			N/A	34.8	10/20/17	N/A		
T-44 Drain	750	09/14/17	Cover repair	164.7	09/22/17	N/A			N/A	78.7	10/16/17	N/A		

Total Exceedances: 52
Total Points Monitored: 1,489

October through December 2017 --- Fourth Quarter Monitoring

Original Recording			10-Day Re-Monitoring Event			20-Day Re-Monitoring Event			1 Month Re-Monitoring Event			1 Month+10 Days Re-Monitoring Event		
Location	Reading	Date	Corrective Action	Reading	Date	Corrective Action	Reading	Date	Corrective Action	Reading	Date	Corrective Action	Reading	Date
CILFG033	876	10/25/17	Cover repair	105.70	11/02/17	N/A			N/A	109.60	11/24/17	N/A		
CILFG092	623	12/06/17	Cover repair	403.60	12/15/17	N/A			N/A	410.00	01/17/18	N/A		
CILFG094R	4707	11/07/17	Straightened well and cover repair	241.60	11/17/17	N/A			N/A	427.40	12/08/17	N/A		
CILFG095	884	11/07/17	Cover repair	93.30	11/17/17	N/A			N/A	130.60	12/08/17	N/A		
CILFG108R	569	11/07/17	Cover repair	90.70	11/17/17	N/A			N/A	188.70	12/08/17	N/A		
CILFG159R	862	10/03/17	Cover repair	44.00	10/11/17	N/A			N/A	193.90	11/02/17	N/A		
CILFG191	885	12/06/17	Cover repair	114.80	12/15/17	N/A			N/A	41.55	01/17/18	N/A		
CILFG194R	723	12/06/17	Cover repair	74.80	12/15/17	N/A			N/A	16.80	01/17/18	N/A		
CILFG196	5675	12/06/17	Dug out contaminated soil, repaired cover	75.60	12/15/17	N/A			N/A	438.00	01/17/18	N/A		
CILFG199	1398	10/03/17	Cover repair	28.70	10/11/17	N/A			N/A	10.60	11/02/17	N/A		
CILFG200R2	786	12/06/17	Cover repair	92.70	12/15/17	N/A			N/A	7.35	01/17/18	N/A		
CILFG214	3593	12/06/17	Dug out contaminated soil, repaired cover	497.60	12/15/17	N/A			N/A	397.00	01/17/18	N/A		
CILFG225	686	10/03/17	Cover repair	135.90	10/11/17	N/A			N/A	428.70	11/02/17	N/A		
CILFG226R	37500	11/08/17	Booted well	243.50	11/17/17	N/A			N/A	110.60	12/08/17	N/A		
CILFG238	5012	12/06/17	Dug out contaminated soil, repaired cover	262.40	12/15/17	N/A			N/A	140.00	01/17/18	N/A		
CILFG245	601	12/06/17	Cover repair	156.30	12/15/17	N/A			N/A	57.68	01/17/18	N/A		
CILFG258R	11600	11/07/17	Cover repair	335.80	11/17/17	N/A			N/A	439.20	12/08/17	N/A		
CILFG259	3852	12/12/17	In active area, DNREC Notified 12/22/17	N/A	N/A	Landfilling	392	12/29/17	N/A	214.00	01/17/18	N/A		
CILFG271	618	12/12/17	Cover repair	217.80	12/22/17	N/A			N/A	47.15	01/17/18	N/A		
CILFG279	766	10/03/17	Cover repair	1.30	10/11/17	N/A			N/A	99.50	11/02/17	N/A		

CILFG283	17700	11/08/17	Booted well	107.40	11/17/17	N/A			N/A	207.70	12/08/17	N/A		
CILFG297	568	12/06/17	Cover repair	99.50	12/15/17	N/A			N/A	36.00	01/17/18	N/A		
CILFG302	741	12/06/17	Cover repair	163.10	12/15/17	N/A			N/A	84.70	01/17/18	N/A		
CILFG308	2579	12/12/17	Cover repair	8.20	12/22/17	N/A			N/A	36.02	01/17/18	N/A		
CILFG309	3391	12/12/17	Cover repair	340.60	12/22/17	N/A			N/A	15.91	01/17/18	N/A		
CILFG319	1047	10/03/17	Cover repair	70.10	10/11/17	N/A			N/A	118.50	11/02/17	N/A		
CILFHB02	2402	10/03/17	Cover repair	9.10	10/11/17	N/A			N/A	281.70	11/02/17	N/A		
CILFHC10	534	11/07/17	Cover repair	212.20	11/17/17	N/A			N/A	71.40	12/08/17	N/A		
CILFHC12	4419	11/07/17	Cover repair	162.30	11/17/17	N/A			N/A	70.50	12/08/17	N/A		
CILFHC14	1133	12/06/17	Cover repair	219.50	12/15/17	N/A			N/A	42.18	01/17/18	N/A		
CILFHC15	8593	12/12/17	Cover repair	296.10	12/22/17	N/A			N/A	41.99	01/17/18	N/A		
CILFHC17	12900	12/12/17	Dug out contaminated soil, repaired cover	232.80	12/22/17	N/A			N/A	128.00	01/17/18	N/A		
CILFHC18	666	12/12/17	Cover repair	4.70	12/22/17	N/A			N/A	189.00	01/17/18	N/A		
CO MH_03	970	10/25/17	Cover repair	72.60	11/02/17	N/A			N/A	330.60	11/24/17	N/A		
MH_01	1052	10/25/17	Foamed	494.60	11/02/17	N/A			N/A	361.40	11/24/17	N/A		
MH_02	2824	10/25/17	Foamed	415.70	11/02/17	N/A			N/A	423.60	11/24/17	N/A		
MH_04	985	10/25/17	Foamed	52.70	11/02/17	N/A			N/A	239.90	11/24/17	N/A		
MH_18	3340	12/12/17	Lifted manhole, resealed rim and base and foamed lid	386.40	12/22/17	N/A			N/A	269.00	01/17/18	N/A		
MH_19	5688	12/12/17	Lifted manhole, resealed rim and base and foamed lid	>50,000	12/22/17	Attached Flare A to manhole.	3,642	12/29/17	Into 120 day system expansion due 04/11/18			N/A		
MH_20	20300	12/12/17	Lifted manhole, resealed rim and base and foamed lid	494.00	12/22/17	N/A			N/A	377.00	01/17/18	N/A		

MHV_2 Drain	1680	10/03/17	Cover repair	17.40	10/11/17	N/A			N/A	124.10	11/02/17	N/A		
MHV_2 Valve	3012	10/03/17	Foamed	458.60	10/11/17	N/A			N/A	158.80	11/02/17	N/A		
Path point 396	4947	10/23/17	Cover repair	178.60	11/02/17	N/A			N/A	216.50	11/22/17	N/A		
Path point 796	967	10/27/17	Cover repair	19.30	11/02/17	N/A			N/A	314.00	11/27/17	N/A		
Path point 850	1607	10/27/17	Cover repair	69.40	11/02/17	N/A			N/A	38.30	11/27/17	N/A		
T-36 drain	21300	11/08/17	Booted well	182.60	11/17/17	N/A			N/A	39.20	12/08/17	N/A		
T-40 drain	5135	12/06/17	Cover repair	420.10	12/15/17	N/A			N/A	88.92	01/17/18	N/A		
T-44 drain	1516	12/12/17	Placed a boot around the drain	261.20	12/22/17	N/A			N/A	191.00	01/17/18	N/A		

Total Exceedances: 48
Total Points Tested: 1,469

Notes:
GW=Gas Extraction Well
All readings in parts per million by volume (PPM)

July through September 2017 --- Third Quarter Monitoring		
Location	**Latitude**	**Longitude**
CILFG018	39.72969	-75.52005
CILFG022	39.73079	-75.51745
CILFG023	39.73050	-75.51788
CILFG033-LAT	39.73029	-75.51593
CILFG059R	39.72343	-75.51088
CILFG086	39.72445	-75.51302
CILFG108R	39.72252	-75.51219
CILFG112	39.72343	-75.51088
CILFG118R	39.72626	-75.51662
CILFG128	39.72605	-75.51267
CILFG132	39.72762	-75.51283
CILFG142	39.72744	-75.51203
CILFG152	39.72444	-75.51206
CILFG157R	39.72592	-75.51759
CILFG162	39.72346	-75.51724
CILFG179	39.72138	-75.51466
CILFG189	39.72516	-75.50991
CILFG207R	39.72589	-75.51473
CILFG224	39.72546	-75.50930
CILFG231R	39.72515	-75.51263
CILFG237	39.72676	-75.51085
CILFG242	39.72713	-75.51333
CILFG246R	39.72391	-75.51604
CILFG269	39.72830	-75.51299
CILFG271	39.72688	-75.51217
CILFG288	39.72373	-75.51029
CILFG296	39.72532	-75.51162
CILFG314	39.72283	-75.51424
CILFG316	39.72202	-75.51732
CILFHA04	39.72468	-75.51813
CILFHA15	39.72420	-75.50937
CILFHB06	39.72430	-75.51036
CILFHC08	39.72303	-75.51478
CILFHC11	39.72424	-75.51217
CILFHC12	39.72450	-75.51204
CILFHC14	39.72504	-75.51186
CILFHC17	39.72554	-75.51527
CILFHC20	39.72752	-75.51509
MH_04 Valve box	39.73171	-75.51867
MH_08	39.73160	-75.51861
MH_19	39.72754	-75.51021
MH_20	39.72714	-75.50914
MH_V_2	39.72081	-75.51537
MH_V5	39.72287	-75.51840
MH_V5_B	39.72209	-75.51772
Path Point 483	39.72561	-75.51514
Path Point 803	39.72276	-75.51770
Path Point 825	39.72250	-75.51166
Path Point 891	39.72160	-75.51666
Path Point 988	39.72090	-75.51598
T-38 drain	39.72563	-75.50837
T-44 Drain	39.72861	-75.51201

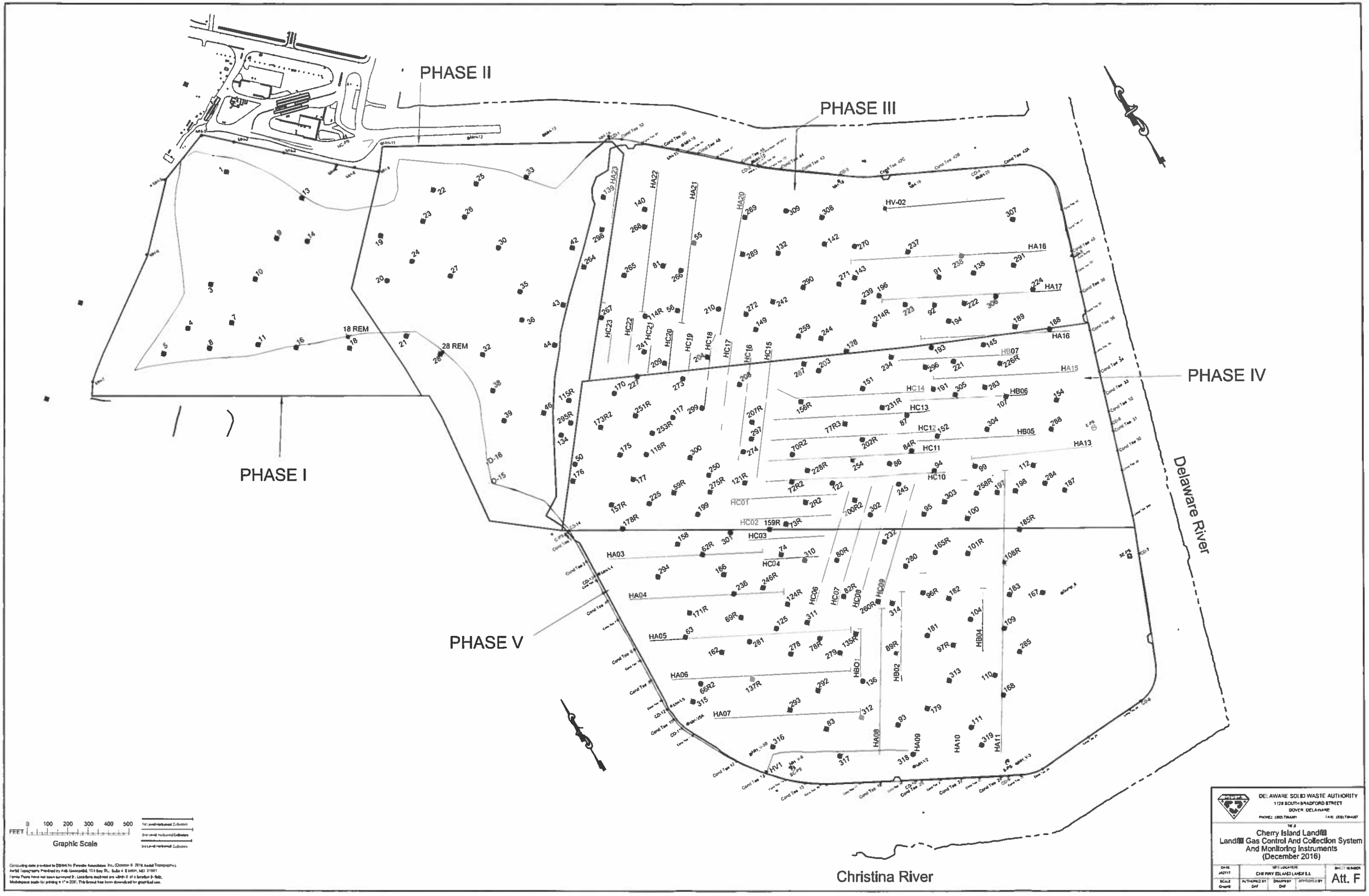
October through December 2017 --- Fourth Quarter Monitoring		
Location	**Latitude**	**Longitude**
CILFG033	39.73029	-75.51593
CILFG092	39.72597	-75.51092
CILFG094R	39.72407	-75.51234
CILFG095	39.72363	-75.51296
CILFG108R	39.72252	-75.51219
CILFG159R	39.72453	-75.51542
CILFG191	39.72501	-75.51169
CILFG194R	39.72571	-75.51085
CILFG196	39.72646	-75.51167
CILFG199	39.72521	-75.51637
CILFG200R2	39.72428	-75.51388
CILFG214	39.72616	-75.51200
CILFG225	39.72567	-75.51701
CILFG226R	39.72484	-75.51046
CILFG238	39.72635	-75.51007
CILFG245	39.72415	-75.51307
CILFG258R	39.72351	-75.51199
CILFG259	39.72656	-75.51325
CILFG271	39.72688	-75.51217
CILFG279	39.72263	-75.51547
CILFG283	39.72467	-75.51091
CILFG297	39.72570	-75.51489
CILFG302	39.72400	-75.51377
CILFG308	39.72776	-75.51183
CILFG309	39.72809	-75.51231
CILFG319	39.72059	-75.51417
CILFHB02	39.72167	-75.51498
CILFHC10	39.72396	-75.51226
CILFHC12	39.72450	-75.51204
CILFHC14	39.72504	-75.51186
CILFHC15	39.72522	-75.51515
CILFHC17	39.72554	-75.51527
CILFHC18	39.72716	-75.51448
CO MH_03	39.73223	-75.51936
MH_01	39.73303	-75.52043
MH_02	39.73273	-75.52002
MH_04	39.73171	-75.51867
MH_18	39.72807	-75.51125
MH_19	39.72754	-75.51021
MH_20	39.72714	-75.50914
MHV_2 Drain	39.72081	-75.51537
MHV_2 Valve	39.72081	-75.51537
Path point 396	39.72444	75.51472
Path point 796	39.72333	75.51472
Path point 850	39.72722	75.51722
T-36 drain	39.72509	-75.50859
T-40 drain	39.72782	-75.51055
T-44 drain	39.72861	-75.51201

Attachment E

WELL COMMISSIONING LOG
Cherry Island Landfill
JULY 1, 2017 THROUGH DECEMBER 31, 2017

Gas Well	New Gas Well	Phase	Approximate Drill Depth	Date Drilled	Date "R" well brought online	Date Original was Decom.
No wells were recommisioned and no new wells were commissioned during this time period.						

Attachment F


PHASE I
PHASE II
PHASE III
PHASE IV
PHASE V
Delaware River
Christina River
18 REM
28 REM
HV-02
HA16
HA17
HA15
HA13
HA03
HA04
HA05
HA06
HA07
HA08
HA09
HA10
HA11
HB07
HB06
HB05
HB04
HB02
HB01
HC01
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HC12
HC13
HC14
HC15
HC16
HC17
HC18
HC19
HC20
HC21
HC22
HC23
HA20
HA21
HA22
HA23
HV1
FEET 0 100 200 300 400 500
Graphic Scale
DELAWARE SOLID WASTE AUTHORITY
1128 SOUTH BRADFORD STREET
DOVER, DELAWARE
Cherry Island Landfill
Landfill Gas Control And Collection System
And Monitoring Instruments
(December 2016)
CHERRY ISLAND LANDFILL
Att. F

Attachment G

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2	Condition 3 - Table 1 (b)(1)(ii)(A)(1) NOx: A rate of 8.1 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(1).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(A)(2) NOx: 23.9 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(2).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(B)(1) CO: A rate of 27.0 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(1).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(B)(2) CO: 79.6 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(2).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(C)(1) PM: A rate of 2.3 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(1).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(C)(2) PM: 6.6 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(2).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(D)(1) NMOC: A rate of 0.7 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(D)(1).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(D)(2) NMOC: 2.1 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(D)(2).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(E)(1) SOx: A rate of 39.7 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(1).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2	Condition 3 - Table 1 (b)(1)(ii)(E)(2) SOx: 58.5 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(2).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(F)(1) HAPs: A rate of 0.027 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(1).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(F)(2) HAPs: 0.08 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(2).	Continuous
2	Condition 3 - Table 1 (b)(1)(iii)(H) The total amount of landfill gas to the flare shall be no more than a total of 1,594.1 MMscf per 12-month rolling period.	Monitoring of total landfill gas to the flare in accordance with Condition 3 - Table 1 (b)(1)(iii)(H)	Continuous
2	Condition 3 - Table 1 (b)(1)(iv)(B) The maximum flow to the flare shall be no more than 4,500 scfm at 50% methane.	Record keeping of flare flow in accordance with Condition 3 - Table 1 (b)(1)(iv)(B).	Continuous
2	Condition 3 - Table 1 (b)(1)(iv)(D) In the event that the flare is inoperable, the following actions shall be taken: The flare valve shall be closed; and all valves in the collection system contributing to venting of gas to the atmosphere shall be closed within one (1) hour.	Record keeping in accordance with Condition 3 - Table 1 (b)(1)(iv)(D).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2	Condition 3 - Table 1 (b)(1)(vi)(F) The owner/operator shall monitor compliance with the opacity requirements of Condition 3-Table 1(b)(1)(i) shall be determined once per quarter for a two (2) hour period using RM 22 while flare is in operation from 40 CFR 60, Appendix A, dated 7/1/05. If visual emissions are determined to be in excess of the limitation in Condition 3-Table 1(b)(1)(i), the owner/operator shall take all means necessary to minimize emissions and to operate the flare without visible emissions. The term "all means necessary" may include, but is not limited to shutting down the flare.	Monitoring the opacity requirements in accordance with Condition 3 - Table 1 (b)(1)(vi)(F).	Continuous
2	Condition 3 - Table 1 (b)(1)(vi)(H) The owner and/or operator shall monitor the time, date, and length of all SSM and any actions taken at such times.	Monitoring of SSM in accordance with Condition 3 - Table 1 (b)(1)(vi)(H).	Continuous
2	Condition 3 - Table 1 (b)(1)(vii)(C) DSWA may use GEM testing and lab sample analysis results to perform calculations referred by Condition 3-Table 1(b)(iii)(C) on a quarterly basis. The Company shall perform calculations quarterly as identified by federal regulation 40 CFR 60, Subpart A, §60.18(f)(3). As an option, the Owner or Operator may sample the landfill gas, analyze it for net heating value using the method given in 40 CFR 60, Subpart A, §60.18(f)(3), dated 7/1/05, and use the result and the gas flowrate to demonstrate compliance.	Testing in accordance with Condition 3 - Table 1 (b)(1)(vii)(C).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2	Condition 3 - Table 1 (b)(1)(vii)(D) During normal operating hours, the owner and/or operator shall conduct daily qualitative visible emissions observations (similar to Method 22) of the flare to evaluate the presence or absence of smoke and/or visible air contaminants during a continuous five (5) minute period while the flare is operating. If visible emissions are detected, the owner and/or operator shall conduct a visual emissions determination as required in Condition 3 - Table 1 (b)(1)(vi)(F). Normal operating hours shall mean Monday through Friday, 0700 hours until 1500 hours, excluding holidays and weather-related landfill closings.	Testing of visible emissions in accordance with Condition 3 - Table 1 (b)(1)(vii)(D).	Continuous
2	Condition 3 - Table 1 (b)(1)(ix)(D) RM 22 records including daily visible emissions log.	Record keeping of RM 22 records in accordance with Condition 3 - Table 1 (b)(1)(ix)(D).	Continuous
2	Condition 3 - Table 1 (b)(1)(ix)(E) Daily odor log, as required by Condition 3 - Table 1(f)(2)(v), including the presence or absence of odor, the wind direction, the location monitored, and actions taken in response to odors found.	Record keeping of daily odor log in accordance with Condition 3 - Table 1 (b)(1)(ix)(E).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2	Condition 3 - Table 1 (b)(1)(ix)(G) The monthly and rolling twelve (12) month total emissions shall be calculated by using landfill gas flow rate to the flare, hours of flare operation , site specific data, stack test results and AP-42 factors as appropriate, and recorded each month in a log for each of the following pollutants: Nitrogen oxides; Carbon monoxide; Particulate Matter; Non-methane organic compounds; Sulfur oxides; Methane; and HAPs.	Record keeping of emissions totals in accordance with Condition 3 - Table 1 (b)(1)(ix)(G).	Continuous
2	Condition 3 - Table 1 (b)(1)(ix)(H)(4) The Company shall keepcopies of RM 22 visible emissions observations.	Record keeping ofRM 22 logs in accordance with Condition 3 - Table 1 (b)(1)(ix)(H)(4).	Continuous
2	Condition 3 - Table 1 (b)(1)(ix)(H)(5) The Company shall keep copies of A copy of RM 22.	Record keeping of RM 22 in accordance with Condition 3 - Table 1 (b)(1)(ix)(H)(5).	Continuous
2	Condition 3 - Table 1 (b)(1)(ix)(H)(6) A statement of qualifications of personnel performing RM 22 and daily qualitative visible emissions observations.	Record keeping of personnel qualifications in accordance with Condition 3 - Table 1 (b)(1)(ix)(H)(6).	Continuous
5	Condition 3 - Table 1 (e)(1)(iii)(B) The emergency generator may operate for 100 hours per calendar year during testing or for maintenance purposes, pursuant to the definition of an emergency generator as defined in the 7 DE Admin Code 1144, except as restricted by Condition 3–Table 1(e)(1)(iii)(D).	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(B).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
5	Condition 3 - Table 1 (e)(1)(iii)(F) The emergency generator shall only combust diesel fuel or biodiesel blend having a sulfur content equal to or less than 0.015% by weight.	Record keeping of generator fuel in accordance with Condition 3 - Table 1 (e)(1)(iii)(F).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(ii) The facility's rolling 12-month emission limitations are based on the 4500 SCFM Perennial Energy, Inc. Flare and all permitted passive flares as shown below: NO_x=23.9 tons, CO=79.6 tons, PM=6.6 tons, NMOC=2.1 tons, SO_x=58.5 tons, HAPs=0.08 tons.	Monitoring emissions limitations in accordance with Condition 3 - Table 1 (f)(1)(ii).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(A) The owner/operator shall monitor the following: monthly and rolling 12-month emissions of NO_x, CO, PM, NMOCs, SO_x, and HAPs from the facility.	Monitoring of emissions in accordance with Condition 3 - Table 1 (f)(1)(vi)(A).	Continuous

Attachment H

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2	Condition 3 - Table 1 (b)(1)(ii)(A)(1) NOx: A rate of 8.1 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(1).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(A)(2) NOx: 23.9 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(2).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(B)(1) CO: A rate of 27.0 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(1).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(B)(2) CO: 79.6 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(2).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(C)(1) PM: A rate of 2.3 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(1).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(C)(2) PM: 6.6 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(2).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(D)(1) NMOC: A rate of 0.7 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(D)(1).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(D)(2) NMOC: 2.1 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(D)(2).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2	Condition 3 - Table 1 (b)(1)(ii)(E)(1) SOx: A rate of 39.7 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(1).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(E)(2) SOx: 58.5 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(2).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(F)(1) HAPs: A rate of 0.027 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(1).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(F)(2) HAPs: 0.08 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(2).	NO	
2	Condition 3 - Table 1 (b)(1)(iii)(H) The total amount of landfill gas to the flare shall be no more than a total of 1,594.1 MMscf per 12-month rolling period.	Monitoring of total landfill gas to the flare in accordance with Condition 3 - Table 1 (b)(1)(iii)(H)	NO	
2	Condition 3 - Table 1 (b)(1)(iv)(B) The maximum flow to the flare shall be no more than 4,500 scfm at 50% methane.	Record keeping of flare flow in accordance with Condition 3 - Table 1 (b)(1)(iv)(B).	NO	
2	Condition 3 - Table 1 (b)(1)(iv)(D) In the event that the flare is inoperable, the following actions shall be taken: The flare valve shall be closed; and all valves in the collection system contributing to venting of gas to the atmosphere shall be closed within one (1) hour.	Record keeping in accordance with Condition 3 - Table 1 (b)(1)(iv)(D).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2	Condition 3 - Table 1 (b)(1)(vi)(F) The owner/operator shall monitor compliance with the opacity requirements of Condition 3-Table 1(b)(1)(i) shall be determined once per quarter for a two (2) hour period using RM 22 while flare is in operation from 40 CFR 60, Appendix A, dated 7/1/05. If visual emissions are determined to be in excess of the limitation in Condition 3-Table 1(b)(1)(i), the owner/operator shall take all means necessary to minimize emissions and to operate the flare without visible emissions. The term "all means necessary" may include, but is not limited to shutting down the flare.	Monitoring the opacity requirements in accordance with Condition 3 - Table 1 (b)(1)(vi)(F).	NO	
2	Condition 3 - Table 1 (b)(1)(vi)(H) The owner and/or operator shall monitor the time, date, and length of all SSM and any actions taken at such times.	Monitoring of SSM in accordance with Condition 3 - Table 1 (b)(1)(vi)(H).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2	Condition 3 - Table 1 (b)(1)(vii)(C) DSWA may use GEM testing and lab sample analysis results to perform calculations referred by Condition 3-Table 1(b)(iii)(C) on a quarterly basis. The Company shall perform calculations quarterly as identified by federal regulation 40 CFR 60, Subpart A, §60.18(f)(3). As an option, the Owner or Operator may sample the landfill gas, analyze it for net heating value using the method given in 40 CFR 60, Subpart A, §60.18(f)(3), dated 7/1/05, and use the result and the gas flowrate to demonstrate compliance.	Testing in accordance with Condition 3 - Table 1 (b)(1)(vii)(C).	NO	
2	Condition 3 - Table 1 (b)(1)(vii)(D) During normal operating hours, the owner and/or operator shall conduct daily qualitative visible emissions observations (similar to Method 22) of the flare to evaluate the presence or absence of smoke and/or visible air contaminants during a continuous five (5) minute period while the flare is operating. If visible emissions are detected, the owner and/or operator shall conduct a visual emissions determination as required in Condition 3 - Table 1 (b)(1)(vi)(F). Normal operating hours shall mean Monday through Friday, 0700 hours until 1500 hours, excluding holidays and weather-related landfill closings.	Testing of visible emissions in accordance with Condition 3 - Table 1 (b)(1)(vii)(D).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2	Condition 3 - Table 1 (b)(1)(ix)(D) RM 22 records including daily visible emissions log.	Record keeping of RM 22 records in accordance with Condition 3 - Table 1 (b)(1)(ix)(D).	NO	
2	Condition 3 - Table 1 (b)(1)(ix)(E) Daily odor log, as required by Condition 3 - Table 1(f)(2)(v), including the presence or absence of odor, the wind direction, the location monitored, and actions taken in response to odors found.	Record keeping of daily odor log in accordance with Condition 3 - Table 1 (b)(1)(ix)(E).	NO	
2	Condition 3 - Table 1 (b)(1)(ix)(G) The monthly and rolling twelve (12) month total emissions shall be calculated by using landfill gas flow rate to the flare, hours of flare operation , site specific data, stack test results and AP-42 factors as appropriate, and recorded each month in a log for each of the following pollutants: Nitrogen oxides; Carbon monoxide; Particulate Matter; Non-methane organic compounds; Sulfur oxides; Methane; and HAPs.	Record keeping of emissions totals in accordance with Condition 3 - Table 1 (b)(1)(ix)(G).	NO	
2	Condition 3 - Table 1 (b)(1)(ix)(H)(4) The Company shall keepcopies of RM 22 visible emissions observations.	Record keeping ofRM 22 logs in accordance with Condition 3 - Table 1 (b)(1)(ix)(H)(4).	NO	
2	Condition 3 - Table 1 (b)(1)(ix)(H)(5) The Company shall keep copies of A copy of RM 22.	Record keeping of RM 22 in accordance with Condition 3 - Table 1 (b)(1)(ix)(H)(5).	NO	

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2	Condition 3 - Table 1 (b)(1)(ix)(H)(6) A statement of qualifications of personnel performing RM 22 and daily qualitative visible emissions observations.	Record keeping of personnel qualifications in accordance with Condition 3 - Table 1 (b)(1)(ix)(H)(6).	NO	
5	Condition 3 - Table 1 (e)(1)(iii)(B) The emergency generator may operate for 100 hours per calendar year during testing or for maintenance purposes, pursuant to the definition of an emergency generator as defined in the 7 DE Admin Code 1144, except as restricted by Condition 3–Table 1(e)(1)(iii)(D).	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(B).	NO	
5	Condition 3 - Table 1 (e)(1)(iii)(F) The emergency generator shall only combust diesel fuel or biodiesel blend having a sulfur content equal to or less than 0.015% by weight.	Record keeping of generator fuel in accordance with Condition 3 - Table 1 (e)(1)(iii)(F).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(ii) The facility's rolling 12-month emission limitations are based on the 4500 SCFM Perennial Energy, Inc. Flare and all permitted passive flares as shown below: NOx=23.9 tons, CO=79.6 tons, PM=6.6 tons, NMOC=2.1 tons, SOx=58.5 tons, HAPs=0.08 tons.	Monitoring emissions limitations in accordance with Condition 3 - Table 1 (f)(1)(ii).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(A) The owner/operator shall monitor the following: monthly and rolling 12-month emissions of NOx, CO, PM, NMOCs, SOx, and HAPs from the facility.	Monitoring of emissions in accordance with Condition 3 - Table 1 (f)(1)(vi)(A).	NO	