



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 3-3330-00184/00002
Effective Date: 01/09/2017 Expiration Date: 01/08/2022

Permit Issued To: AMERESCO LFG-1 INC
111 SPEEN ST - STE 410
FRAMINGHAM, MA 01701

AL TURI LANDFILL INC
73 HARTLEY RD
GOSHEN, NY 10924-9640

Contact: NATHAN HALL
111 SPEEN ST
SUITE 410
FRAMINGHAM, MA 01701
(508) 661-2200

Facility: AL TURI LANDFILL & LFGTE FACILITY
73 HARTLEY RD
GOSHEN, NY 10924

Description:

The Al Turi Landfill & LFGTE (the "facility") consists of a combined municipal solid waste landfill (the "landfill"), which is owned and operated by Al Turi Landfill, Inc. ("Al Turi") and an adjacent landfill gas to energy plant (the "LFGTE Plant"), which is owned and operated by Ameresco LFG-1, Inc. ("Ameresco"). This facility is located in Goshen, Orange County, New York and is accessed at 2690 Route 17M.

The subject of this Title V permit renewal 3 pertains to the landfill gas control sources owned and operated by Ameresco. Sources include a Caterpillar G3516 800 kW engine manufactured prior to 2006, a Caterpillar G3516 800 kW engine manufactured in 2009, an enclosed combustor flare and an emergency backup open flare.

The landfill last received waste in early 2003 and documented waste placement exceeds 2.5 million megagrams. Because the facility is subject to 6NYCRR Part 208, Title V permitting applies.

Both lean burn spark ignited engines are subject to NMOC control requirements under 6NYCRR Part 208. The new engine, manufactured in 2009, is subject to emission standards under 40CFR 60 - JJJJ. The enclosed combustor flare is also subject to NMOC control requirements under 6NYCRR Part 208.

The Standard Industrial Classification representative of this source is 4931 - Electric & Other Services Combined.



By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: GEORGE A SWEIKERT
 NYSDEC - REGION 3
 21 S PUTT CORNERS RD
 NEW PALTZ, NY 12561-1696

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
- Applications for permit renewals, modifications and transfers
- Permit modifications, suspensions or revocations by the Department

Facility Level

- Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:

The permittee must submit a renewal application at least 180 days before the expiration of permits for Title V and State Facility Permits.

Item 3.3

Permits are transferrable with the approval of the department unless specifically prohibited by



the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

New York State Department of Environmental Conservation

Permit ID: 3-3330-00184/00002

Facility DEC ID: 3333000184



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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111 SPEEN ST - STE 410
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AL TURI LANDFILL INC
73 HARTLEY RD
GOSHEN, NY 10924-9640

Facility: AL TURI LANDFILL & LFGTE FACILITY
73 HARTLEY RD
GOSHEN, NY 10924

Authorized Activity By Standard Industrial Classification Code:
4931 - ELEC & OTHER SERVICES COMBINED
4953 - REFUSE SYSTEMS

Permit Effective Date: 01/09/2017

Permit Expiration Date: 01/08/2022



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR 201-1.1 (b): Compliance Certification
- 22 6 NYCRR Subpart 201-6: Emission Unit Definition
- 23 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 24 6 NYCRR 208.3 (b) (2) (iii) ('b'): Compliance Certification
- 25 6 NYCRR 208.3 (b) (2) (iii) ('b'): Compliance Certification
- 26 6 NYCRR 208.3 (b) (2) (iii) ('b'): Compliance Certification
- 27 6 NYCRR 208.4 (e): Compliance Certification
- 28 6 NYCRR 208.4 (f): Compliance Certification
- 29 6 NYCRR 208.5 (d): Compliance Certification
- 30 6 NYCRR 208.7 (b): Compliance Certification
- 31 6 NYCRR 208.8 (e): Compliance Certification
- 32 6 NYCRR 208.8 (f): Compliance Certification
- 33 6 NYCRR 208.9 (b): Compliance Certification
- 34 6 NYCRR 208.9 (c): Compliance Certification
- 35 6 NYCRR 211.1: Air pollution prohibited
- 36 6 NYCRR 227-1.3 (a): Compliance Certification
- 37 40CFR 60.4243(b)(2)(ii), NSPS Subpart JJJJ: Compliance Certification
- 38 40CFR 60.4244, NSPS Subpart JJJJ: Compliance Certification
- 39 40CFR 60.4244, NSPS Subpart JJJJ: Compliance Certification
- 40 40CFR 60.4244, NSPS Subpart JJJJ: Compliance Certification
- 41 40CFR 60.4245(a), NSPS Subpart JJJJ: Compliance Certification
- 42 40CFR 60.4245(c), NSPS Subpart JJJJ: Compliance Certification
- 43 40CFR 60.4246, NSPS Subpart JJJJ: Subpart A provisions that apply to

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facilities subject to Subpart JJJJ

44 40CFR 63.1955(b), Subpart AAAA: Compliance Certification

45 40CFR 63.1980(a), Subpart AAAA: Compliance Certification

Emission Unit Level

46 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit

47 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=0-U0001

48 6 NYCRR 208.5 (d): System Efficiency

EU=0-U0003

49 6 NYCRR 208.5 (d): System Efficiency

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

50 ECL 19-0301: Contaminant List

51 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

52 6 NYCRR 211.2: Visible Emissions Limited



FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

- Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.
- Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.
- Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and



reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item G: Property Rights - 6 NYCRR 201-6.4 (a) (6)

This permit does not convey any property rights of any sort or any exclusive privilege.

Item H: Severability - 6 NYCRR 201-6.4 (a) (9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item I: Permit Shield - 6 NYCRR 201-6.4 (g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;

ii. The liability of a permittee of the Title V



facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item J: Reopening for Cause - 6 NYCRR 201-6.4 (i)

This Title V permit shall be reopened and revised under any of the following circumstances:

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide



a shorter time period in the case of an emergency.

Item K: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item L: Federally Enforceable Requirements - 40 CFR 70.6 (b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 01/09/2017 and 01/08/2022**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of



emission control required.

Condition 2: Fees
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 201-6.4 (c)

Item 3.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii)The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (2)

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.



Condition 5: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring



report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate



whether or not the Department or EPA has approved the results.

All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 201-6.4 (e)

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related record keeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;



and

- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC
21 South Putt Corners Road
New Paltz, NY 12561-1696

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance

New York State Department of Environmental Conservation

Permit ID: 3-3330-00184/00002

Facility DEC ID: 3333000184



625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2018.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires - Prohibitions
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:



requirements only if effectuated during the reporting period.
[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 11: Recycling and Salvage
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)

Item 13.1:

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 01/09/2017 and 01/08/2022

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in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 21: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 201-1.1 (b)

Item 21.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0001

Emission Unit: 0-U0003

Item 21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Ameresco LFG-1 Inc., the owner and operator of the Landfill Gas to Energy sources, is responsible for compliance and primarily liable for non-compliance with the terms and conditions concerning Emission Units 0-U0001 and 0-U0003 and all requirements of the Environmental Conservation Law and regulations applicable to the process, emission sources and emission points. Ameresco shall be responsible for signing, executing, and/or

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certifying any permit applications, reports, and/or certification statements required to be submitted pursuant to this permit, the Environmental Conservation Law and /or applicable regulations with respect to the processes, emissions sources and emission points located at the LFGTE plant.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 22: Emission Unit Definition
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 0-U0001

Emission Unit Description:

Electric is generated by the operation of two internal combustion engines which utilize landfill gas as fuel.

Building(s): GB 3

Item 22.2:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 0-U0003

Emission Unit Description:

Operation of an enclosed landfill gas flares to control excess or bypass landfill gas. Operation of an open flare as emergency backup control of landfill gas.

Building(s): FB1

Condition 23: Progress Reports Due Semiannually
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)

Item 23.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 24: Compliance Certification

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Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement: 6 NYCRR 208.3 (b) (2) (iii) ('b')

Item 24.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0001

Process: LG1

Emission Source: E0012

Regulated Contaminant(s):

CAS No: 0NY998-20-0

NMOC - LANDFILL USE ONLY

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Landfill gas combusted within the existing combustion engine E0012 is subject to control that must either reduce NMOC by 98 percent or reduce outlet NMOC concentration to less than 20 parts per million by volume, dry basis as hexane at 3 percent oxygen.

Consistent with performance testing completed in December of 2015, engine E0012 must maintain an average combustion exhaust temperature 794 degrees Fahrenheit or greater during all 3-hour periods of operation. The engine shall be equipped with a continuous temperature recording device capable of taken measurements at least every 15 minutes and having a minimum accuracy of +/- 1% of the temperature being measured. A device that records total flow routed to the combustion engine (control device) must also be installed, operational, maintained and calibrated.

For engine E0012, all 3-hour periods of operation during which the average combustion temperature is less than 712 F would constitute an exceedance which must be recorded and reported. This is based on 6NYCRR 208.9(c)(1)(i).

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 794 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

Subsequent reports are due every 6 calendar month(s).



Condition 25: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement: 6 NYCRR 208.3 (b) (2) (iii) ('b')

Item 25.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0001
Process: LG1 Emission Source: E0013

Regulated Contaminant(s):
CAS No: 0NY998-20-0 NMOC - LANDFILL USE ONLY

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Landfill gas combusted within the existing combustion engine E0013 is subject to control that must either reduce NMOC by 98 percent or reduce outlet NMOC concentration to less than 20 parts per million by volume, dry basis as hexane at 3 percent oxygen.

Consistent with performance testing completed in December of 2015, engine E0013 must maintain an average combustion exhaust temperature 800 degrees Fahrenheit or greater during all 3-hour periods of operation. The engine shall be equipped with a continuous temperature recording device capable of taken measurements at least every 15 minutes and having a minimum accuracy of +/- 1% of the temperature being measured. A device that records total flow routed to the combustion engine (control device) must also be installed, operational, maintained and calibrated.

For engine E0013, all 3-hour periods of operation during which the average combustion temperature is less than 718 F would constitute an exceedance which must be recorded and reported. This is based on 6NYCRR 208.9(c)(1)(i).

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 800 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

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The initial report is due 7/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 26: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement: 6 NYCRR 208.3 (b) (2) (iii) ('b')

Item 26.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0003 Emission Point: 00010
Process: LG3 Emission Source: 00010

Regulated Contaminant(s):
CAS No: 0NY998-20-0 NMOC - LANDFILL USE ONLY

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Excess or bypass gas is routed to an enclosed flare. The enclosed flare is rated 68.25 MMBTU/hr. Landfill gas combusted within the enclosed flare is subject to control that must either reduce NMOC by 98 percent or reduce outlet NMOC concentration to less than 20 parts per million by volume, dry basis as hexane at 3 percent oxygen.

In June of 2001, a performance test was conducted to determine reduction of NMOC. A test protocol was submitted in April 2001 and accepted by DEC in May of 2001. Results of the performance test are outlined within the June 2001 Final Report which documents compliance.

Consistent with the Performance Test Final Report, the flare must maintain an average combustion temperature of 1503 degrees Fahrenheit or greater during all 3-hour periods of operation. The enclosed flare shall be equipped with a continuous temperature recording device capable of taken measurements at least every 15 minutes and having a minimum accuracy of +/- 1% of the temperature being measured. A device that records total flow routed to the enclosed flare (control device) must also be installed, operational, maintained and calibrated.

For enclosed flare, all 3-hour periods of operation during

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which the average combustion temperature is less than 1421 F would constitute an exceedance which must be recorded and reported. This is based on 6NYCRR 208.9(c)(1)(i).

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1503 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 27: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement: 6 NYCRR 208.4 (e)

Item 27.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0001

Emission Unit: 0-U0003

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Operate such that all collected gases are vented to a control system designed and operated in compliance with 6 NYCRR Part 208.3(b)(2)(iii). In the event the collection or control system is inoperable, the gas mover system must be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere must be closed within one hour. Additional information concerning system operation to comply with this requirement is contained within the separate Permit Review Report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 6 calendar month(s).



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Condition 28: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 208.4 (f)

Item 28.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0001

Emission Unit: 0-U0003

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operate the control system at all times when the collected gas is routed to the system.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

Subsequent reports are due every 6 calendar month(s).

Condition 29: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 208.5 (d)

Item 29.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0001

Process: LG1

Emission Point: 00012

Emission Source: E0012

Emission Unit: 0-U0001

Process: LG1

Emission Point: 00013

Emission Source: E0013

Emission Unit: 0-U0003

Process: LG3

Emission Point: 00010

Emission Source: 00010

Regulated Contaminant(s):

CAS No: 0NY998-20-0 NMOC - LANDFILL USE ONLY

Item 29.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Ameresco LFG-1 shall determine compliance with a 20 ppmv outlet concentration by conducting a performance test using Method 25C or Method 18. This requirement applies to the existing enclosed flare and existing internal combustion engines.

A Performance Test protocol must be submitted to the Department at least 60 days prior to scheduling the test. A report documenting results must be submitted to the Department within 60 days of completing the performance test.

Performance testing has been completed. Future performance testing for the existing sources shall be conducted at the request of the Department.

Upper Permit Limit: 20 parts per million by volume (dry, corrected to 3% oxygen)

Reference Test Method: Method 25C or 18 or otherwise approved by DEC

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 30: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement: 6 NYCRR 208.7 (b)

Item 30.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-U0001

Process: LG1

Emission Source: E0012

Emission Unit: 0-U0001

Process: LG1

Emission Source: E0013

Emission Unit: 0-U0003

Process: LG3

Emission Source: 00010

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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The enclosed flare and internal combustion engines shall be equipped with the following devices:

1. A temperature monitoring device with a continuous recorder having a minimum accuracy of +/- 1% of the temperature being measured; and
2. A device that records total flow routed to the control device.

The flow recorder shall be calibrated and maintained and must record gas flow at least every 15 minute

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

Subsequent reports are due every 6 calendar month(s).

Condition 31: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement: 6 NYCRR 208.8 (e)

Item 31.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-U0001

Emission Unit: 0-U0003

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Submit an equipment removal report to the Department within 30 days prior to removal or cessation of operation of the control equipment.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 12 calendar month(s).

Condition 32: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022



Applicable Federal Requirement:6 NYCRR 208.8 (f)

Item 32.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0001

Emission Unit: 0-U0003

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Semiannual reports must be submitted documenting recorded information in paragraphs (1) through (3) below.

- (1) Value and length of time for exceedance of applicable parameters monitored under 6 NYCRR 208.7(b), and (d).
- (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 as specified under 6 NYCRR 208.7.
- (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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

Subsequent reports are due every 6 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 208.9 (b)

Item 33.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0001

Process: LG1

Emission Source: E0012

Emission Unit: 0-U0001

Process: LG1

Emission Source: E0013



Emission Unit: 0-U0003
Process: LG3

Emission Source: 00010

Regulated Contaminant(s):
CAS No: 0NY998-20-0 NMOC - LANDFILL USE ONLY

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Except as provided in 6 NYCRR Part 208.3(b)(2)(i)(b), up-to-date, readily accessible records for the life of the control equipment of the data listed below as measured during the initial performance test or compliance determination must be maintained. Records of subsequent tests or monitoring shall be maintained for a minimum of 7 years. Records of the control device vendor specifications shall be maintained until removal.

- 1) As a source subject to 6 NYCRR Part 208.3(b)(2)(iii) which utilizes an enclosed flare(s) and internal combustion engine(s) to control landfill derived gas:
 - (i) The average combustion temperature measured at least every 15 minutes and averaged over the same time period of the performance test.
 - ii) The percent reduction of NMOC determined as specified in clause 3(b)(2)(iii)(b) of this Part achieved by the control device.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

Subsequent reports are due every 6 calendar month(s).

Condition 34: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement: 6 NYCRR 208.9 (c)

Item 34.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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Emission Unit: 0-U0001
Process: LG1

Emission Point: 00012
Emission Source: E0012

Emission Unit: 0-U0001
Process: LG1

Emission Point: 00013
Emission Source: E0013

Emission Unit: 0-U0003
Process: LG3

Emission Point: 00010
Emission Source: 00010

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as provided in 6 NYCRR Part 208.3(b)(2)(i)(b), the facility shall keep for 7 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in 6 NYCRR Part 208.7 as well as up-to-date, readily accessible records for periods of operation during which the parameter boundaries established during the most recent performance test are exceeded.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 12 calendar month(s).

Condition 35: Air pollution prohibited

Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 211.1

Item 35.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 36: Compliance Certification

Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 227-1.3 (a)

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Item 36.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-U0001
Process: LG1

Emission Point: 00012
Emission Source: E0012

Emission Unit: 0-U0001
Process: LG1

Emission Point: 00013
Emission Source: E0013

Emission Unit: 0-U0003
Process: LG3

Emission Point: 00010
Emission Source: 00010

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

The Department reserves the right to perform or request Ameresco perform future method 9 opacity evaluations.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 37: Compliance Certification

Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement: 40CFR 60.4243(b)(2)(ii), NSPS Subpart

JJJJ

Item 37.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-U0001
Process: LG1

Emission Point: 00013
Emission Source: E0013

Item 37.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Ameresco, as an owner or operator of stationary SI internal combustion engine(s) greater than 500 HP, must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 12 calendar month(s).

Condition 38: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:40CFR 60.4244, NSPS Subpart JJJJ

Item 38.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-U0001

Emission Point: 00013

Process: LG1

Emission Source: E0013

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The Internal combustion unit designated E0013 is subject to a NO_x emission rate of less than 2 gram per BHP-hr.

Performance testing shall be conducted every 8,760 operational hours or 3 years, whichever comes first.

The following procedures apply.

1. At least 60 days prior to actual testing, Ameresco

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shall submit to the NYSDEC a Test Protocol detailing methods and procedures to be used during the performance stack testing. Performance tests Methods are defined by 40CFR 60 - JJJJ Table 2.

2. Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under conditions that are specified by 40CFR 60 - JJJJ Table 2. This includes three separate test runs of at least 1 hour as specified in §60.8(f).

3. The performance test(s) shall not be conducted during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If a SI internal combustion engine is non-operational, startup is not required for the sole purpose of conducting the performance test; however, the performance test must be completed immediately upon startup of the engine.

4. The CO emissions rate shall be calculated utilizing equations 1 defined under 40CFR 60.4244(e). Performance test results must be reported to NYSDEC within 60 days after completion of compliance testing.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.0 grams per brake horsepower-hour

Reference Test Method: Table 2 to 40CFR 60.JJJJ

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 39: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:40CFR 60.4244, NSPS Subpart JJJJ

Item 39.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-U0001
Process: LG1

Emission Point: 00013
Emission Source: E0013

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 39.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The Internal combustion unit designated E0013 is subject to a CO emission rate of less than 5 gram per BHP-hr.

Performance testing shall be conducted every 8,760 operational hours or 3 years, whichever comes first.

The following procedures apply.

1. At least 60 days prior to actual testing, Ameresco shall submit to the NYSDEC a Test Protocol detailing methods and procedures to be used during the performance stack testing. Performance tests Methods are defined by 40CFR 60 - JJJJ Table 2.
2. Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under conditions that are specified by 40CFR 60 - JJJJ Table 2. This includes three separate test runs of at least 1 hour as specified in §60.8(f).
3. The performance test(s) shall not be conducted during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If a SI internal combustion engine is non-operational, startup is not required for the sole purpose of conducting the performance test; however, the performance test must be completed immediately upon startup of the engine.
4. The CO emissions rate shall be calculated utilizing equations 2 defined under 40CFR 60.4244(e). Performance test results must be reported to NYSDEC within 60 days after completion of compliance testing.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 5.0 grams per brake horsepower-hour

Reference Test Method: Table 2 to 40CFR 60.JJJJ

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



Condition 40: Compliance Certification

Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement: 40CFR 60.4244, NSPS Subpart JJJJ

Item 40.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-U0001

Emission Point: 00013

Process: LG1

Emission Source: E0013

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The Internal combustion unit designated E0013 is subject to a VOC emission rate of less than 1 gram per HP-hr.

Performance testing shall be conducted every 8,760 operational hours or 3 years, whichever comes first.

The following procedures apply.

1. At least 60 days prior to actual testing, Ameresco shall submit to the NYSDEC a Test Protocol detailing methods and procedures to be used during the performance stack testing. Performance tests Methods are defined by 40CFR 60 - JJJJ Table 2.

2. Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under conditions that are specified by 40CFR 60 - JJJJ Table 2. This includes three separate test runs of at least 1 hour as specified in §60.8(f).

3. The performance test(s) shall not be conducted during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If a SI internal combustion engine is non-operational, startup is not required for the sole purpose of conducting the performance test; however, the performance test must be completed immediately upon startup of the engine.

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4. The VOC emissions rate shall be calculated utilizing equations 3 or 4 defined under 40CFR 60.4244(f) or (g). Performance test results must be reported to NYSDEC within 60 days after completion of compliance testing.

Parameter Monitored: VOC

Upper Permit Limit: 1.0 grams per brake horsepower-hour

Reference Test Method: Table 2 to 40CFR 60.JJJ

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 41: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:40CFR 60.4245(a), NSPS Subpart JJJJ

Item 41.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-U0001

Emission Point: 00013

Process: LG1

Emission Source: E0013

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Ameresco shall keep records of the information listed below.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the E0013 engine.

(3) Documentation that the E0013 engine meet the emission standards.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 12 calendar month(s).



Condition 44: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement: 40CFR 63.1955(b), Subpart AAAAA

Item 44.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0001

Emission Unit: 0-U0003

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Because the Al Turi Landfill & LFGTE facility is required to install a collection and control system under 6 NYCRR Part 208, the facility must comply with the requirements in §§63.1960 through 63.1985 and with the general provisions of part 63 as specified in table 1 of Subpart AAAAA.

The facility shall develop and implement a written startup, shutdown, and malfunction (SSM) plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction; a program of corrective action for malfunctioning process; and air pollution control and monitoring equipment used to comply with this standard.

This plan must be developed by January 16, 2004 and must comply with all of the requirements listed in §63.6(e)(3)(ii)-(ix) which includes the following provisions:

- During periods of startup, shutdown, and malfunction, the facility must operate and maintain the affected source in accordance with the procedures specified in the SSM plan.

- When actions taken by the owner/operator during a startup, shutdown, or malfunction are consistent with the procedures specified in the affected source's SSM plan, the owner/operator must keep records for that event which



demonstrate that the procedures specified in the plan were followed. In addition, the owner/operator must keep records of these events as specified in §63.10(b), including records of operation and each malfunction of the air pollution control and monitoring equipment. Furthermore, the owner/operator shall confirm that actions taken during the startup, shutdown, and malfunction were consistent with the SSM plan in the semiannual report as required in §63.10(d)(5).

- If an action taken by the facility is not consistent with the SSM plan, and the affected source exceeds the relevant emission standard, then the owner/operator must record the actions taken for that event and must report such actions within 2 working days after commencing actions inconsistent with the SSM plan, followed by a letter within 7 working days after the end of the event.

- EPA or NYSDEC may at any time request in writing that the facility submit a copy of the SSM plan (or a portion thereof) which is maintained at the affected source. Upon receipt of such a request, the facility must promptly submit a copy of the requested plan to EPA or NYSDEC. EPA or NYSDEC must request that the facility submit a SSM plan whenever a member of the public submits a specific and reasonable request to examine or to receive a copy of that plan or portion of a plan. If the facility claims that any portion of such a SSM plan is confidential business information entitled to protection from disclosure under section 114(c) of the Act or 40CFR2.301, the material which is claimed as confidential must be clearly designated in the submission.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

Subsequent reports are due every 6 calendar month(s).

Condition 45: Compliance Certification
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:40CFR 63.1980(a), Subpart AAAA

Item 45.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-U0001

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Permit ID: 3-3330-00184/00002

Facility DEC ID: 3333000184



Emission Unit: 0-U0003

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Semiannual reports of the recorded information in paragraphs (1) through (3) below must be submitted.

(1) Value and length of time for exceedance of applicable parameters monitored under 6 NYCRR 208.7(b), and (d).

(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 as specified under 6 NYCRR 208.7.

(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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

Subsequent reports are due every 6 calendar month(s).

****** Emission Unit Level ******

**Condition 46: Emission Point Definition By Emission Unit
Effective between the dates of 01/09/2017 and 01/08/2022**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 46.1:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-U0001

Emission Point: 00012

Height (ft.): 30

Diameter (in.): 14

NYTMN (km.): 4583.964

NYTME (km.): 551.997

Building: GB 3

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Permit ID: 3-3330-00184/00002

Facility DEC ID: 3333000184



Emission Point: 00013
Height (ft.): 30 Diameter (in.): 14
NYTMN (km.): 4583.964 NYTME (km.): 551.997 Building: GB 3

Item 46.2:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-U0003

Emission Point: 00010
Height (ft.): 40 Diameter (in.): 138
NYTMN (km.): 4583.909 NYTME (km.): 551.903 Building: FB1

Emission Point: 00011
Height (ft.): 40 Diameter (in.): 12
NYTMN (km.): 4583.896 NYTME (km.): 551.953 Building: FB1

Condition 47: Process Definition By Emission Unit
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 47.1:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-U0001
Process: LG1 Source Classification Code: 2-01-002-02
Process Description:
Landfill Gas is used as fuel to operate the internal
combustion engine(s) to generate electricity.

Emission Source/Control: E0012 - Combustion
Design Capacity: 800 kilowatts

Emission Source/Control: E0013 - Combustion
Design Capacity: 800 kilowatts

Item 47.2:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-U0003
Process: LG3 Source Classification Code: 3-90-007-97
Process Description:
Excess or bypass gas is controlled by the operation of
landfill gas flare(s).

Emission Source/Control: 00010 - Process
Design Capacity: 68.3 million BTUs per hour

Condition 48: System Efficiency
Effective between the dates of 01/09/2017 and 01/08/2022



Applicable Federal Requirement:6 NYCRR 208.5 (d)

Item 48.1:

This Condition applies to Emission Unit: 0-U0001

Item 48.2:

For the performance test required in 6 NYCRR Part 208.3(b)(2)(iii)(b), Method 25C, 25 or Method 18 of Appendix A of 40 CFR 60 shall be used to determine compliance with the 98% weight efficiency or the 20 ppmv outlet concentration level. The following equation shall be used to calculate efficiency:

$$\text{Control Efficiency} = \frac{\text{NMOC}_{\text{in}} - \text{NMOC}_{\text{out}}}{\text{NMOC}_{\text{in}}}$$

Condition 49: System Efficiency
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable Federal Requirement:6 NYCRR 208.5 (d)

Item 49.1:

This Condition applies to Emission Unit: 0-U0003

Item 49.2:

For the performance test required in 6 NYCRR Part 208.3(b)(2)(iii)(b), Method 25C, 25 or Method 18 of Appendix A of 40 CFR 60 shall be used to determine compliance with the 98% weight efficiency or the 20 ppmv outlet concentration level. The following equation shall be used to calculate efficiency:

$$\text{Control Efficiency} = \frac{\text{NMOC}_{\text{in}} - \text{NMOC}_{\text{out}}}{\text{NMOC}_{\text{in}}}$$



STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;

(3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item B: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and



standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 50: Contaminant List
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable State Requirement:ECL 19-0301

Item 50.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000630-08-0
Name: CARBON MONOXIDE

CAS No: 0NY100-00-0
Name: TOTAL HAP

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0
Name: VOC

CAS No: 0NY998-20-0
Name: NMOC - LANDFILL USE ONLY

Condition 51: Malfunctions and start-up/shutdown activities
Effective between the dates of 01/09/2017 and 01/08/2022

Applicable State Requirement:6 NYCRR 201-1.4

