



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 8-3244-00040/00002
Effective Date: 10/30/2012 Expiration Date: 10/29/2017

Permit Issued To: SENECA ENERGY II LLC
2999 JUDGE RD
OAKFIELD, NY 14125

Contact: PETER H ZELIFF
INNOVATIVE ENERGY SYSTEMS LLC
2999 JUDGE RD
OAKFIELD, NY 14125-9771
(585) 948-8580

Facility: ONTARIO COUNTY LFG TO ENERGY FACILITY
3555 POST FARM RD|ONTARIO COUNTY LANDFILL
STANLEY, NY 14561

Description:
Renewal and modification of the Title V Facility Permit to authorize expanded electrical generating operations utilizing treated landfill gas as fuel.

In addition to re-authorization of current landfill gas to energy generating operations, this Permit authorizes the addition of three 2233 horsepower engine generator sets to the existing eight 1190 horsepower generator sets, increasing current Landfill Gas to Energy Facility generating capacity from 6.4 to 11.2 megawatts.

This facility is subject to Part 201-6 (Title V) requirements due to potential CO and NO_x emissions in excess of 100 tons per year each.

This Permit limits potential CO emissions after expansion to a maximum of 446.4 tons per year, a 206.6 ton per year increase, below the 250 ton per year threshold in 6 NYCRR Part 231-7 for Modifications to Existing Non-Major Facilities in Attainment Areas (Prevention of Significant Deterioration).

This Permit also limits NO_x emissions after expansion to a maximum of 157.5 tons per year, a 64.6 ton per year increase, below the 100 ton per year threshold in Part 231-5 for Modifications To Existing Non-Major Facilities In Attainment Areas Of The State Within The Ozone Transport Region.

This Permit includes Part 227-2 NO_x RACT conditions, due to NO_x emissions over 100 tons per year. Emissions were restricted below this threshold in the initial Title V Facility Permit.

New York State Department of Environmental Conservation
Facility DEC ID: 8324400040



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: SCOTT SHEELEY
 NYS DEC
 6274 E AVON-LIMA RD
 AVON, NY 14414

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 8 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 expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for 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 8 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 8 Headquarters
Division of Environmental Permits
6274 Avon-Lima Road
Avon, NY 14414-9519
(585) 226-2466

New York State Department of Environmental Conservation

Permit ID: 8-3244-00040/00002

Facility DEC ID: 8324400040



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: SENECA ENERGY II LLC
2999 JUDGE RD
OAKFIELD, NY 14125

Facility: ONTARIO COUNTY LFG TO ENERGY FACILITY
3555 POST FARM RD|ONTARIO COUNTY LANDFILL
STANLEY, NY 14561

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES

Permit Effective Date: 10/30/2012

Permit Expiration Date: 10/29/2017



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.5 (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 201-6.5 (a) (4): Standard Requirement - Provide Information
- 16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 40 CFR Part 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6 NYCRR Subpart 201-6: Emission Unit Definition
- 23 6 NYCRR 201-6.5 (f): Compliance Certification
- 24 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- *25 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *26 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *27 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 28 6 NYCRR 211.1: Air pollution prohibited
- 29 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 30 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 31 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
- 32 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
- 33 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 34 40CFR 60.7(g), NSPS Subpart A: Notification Similar to State or Local Agency
- 35 40CFR 60.9, NSPS Subpart A: Availability of information.
- 36 40CFR 60.12, NSPS Subpart A: Circumvention.
- 37 40CFR 60.14, NSPS Subpart A: Modifications.
- 38 40CFR 60.4246, NSPS Subpart JJJJ: Subpart A provisions that apply to facilities subject to Subpart JJJJ
- 39 40CFR 60.752(b)(2)(iii)(C), NSPS Subpart WWW: Compliance Certification
- 40 40CFR 63.6665, Subpart ZZZZ: General provisions

Emission Unit Level



- 41 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 42 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=1-OLFGE

- 43 40CFR 60.4230(a)(4)(i), NSPS Subpart JJJJ: Applicability of facilities subject to Subpart JJJJ
- 44 40CFR 60.4243(a)(1), NSPS Subpart JJJJ: Compliance Certification
- 45 40CFR 60.4245(a), NSPS Subpart JJJJ: Compliance Certification
- 55 40CFR 63.6590(c), Subpart ZZZZ: Stationary RICE subject to regulations under 40 CFR Part 60
- 46 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
- 47 40CFR 63.6625(e), Subpart ZZZZ: Compliance Certification
- 48 40CFR 63.6625(h), Subpart ZZZZ: Compliance Certification
- 49 40CFR 63.6625(j), Subpart ZZZZ: Compliance Certification
- 50 40CFR 63.6655(a), Subpart ZZZZ: Compliance Certification
- 51 40CFR 63.6655(e), Subpart ZZZZ: Compliance Certification

EU=1-OLFGE,Proc=001

- *52 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 53 6 NYCRR 227-1.3 (a): Compliance Certification
- 54 6 NYCRR 227-2.6 (c): Compliance Certification

EU=2-OLFGE

- 56 40CFR 60.4230(a)(4)(i), NSPS Subpart JJJJ: Applicability of facilities subject to Subpart JJJJ
- 57 40CFR 60.4243(a)(1), NSPS Subpart JJJJ: Compliance Certification
- 58 40CFR 60.4245(a), NSPS Subpart JJJJ: Compliance Certification
- 59 40CFR 63.6590(c), Subpart ZZZZ: Stationary RICE subject to regulations under 40 CFR Part 60

EU=2-OLFGE,Proc=002

- *60 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 61 6 NYCRR 227-1.3 (a): Compliance Certification
- 62 6 NYCRR 227-2.6 (c): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 63 ECL 19-0301: Contaminant List
- 64 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 65 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

EU=1-OLFGE,Proc=001

- 66 6 NYCRR 227-2.4 (f) (2): Compliance Demonstration

EU=2-OLFGE,Proc=002

- 67 6 NYCRR 227-2.4 (f) (2): Compliance Demonstration

NOTE: * preceding the condition number indicates capping.



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: Emergency Defense - 6 NYCRR 201-1.5

An emergency constitutes an affirmative defense to an action brought 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 and/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;
- (3) During the period of the emergency the facility owner and/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 and/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 and/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: 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 C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.3 (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 D: Certification by a Responsible Official - 6 NYCRR 201-6.3 (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 E: Requirement to Comply With All Conditions - 6 NYCRR 201-6.5 (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 F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.5 (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 G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.5 (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 H: Property Rights - 6 NYCRR 201-6.5 (a) (6)

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



Item I: Severability - 6 NYCRR 201-6.5 (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 J: Permit Shield - 6 NYCRR 201-6.5 (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 K: Reopening for Cause - 6 NYCRR 201-6.5 (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 L: 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 M: **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 10/30/2012 and 10/29/2017

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 10/30/2012 and 10/29/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (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 10/30/2012 and 10/29/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (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 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement: 6 NYCRR 201-6.5 (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 10/30/2012 and 10/29/2017

Applicable Federal Requirement: 6 NYCRR 201-6.5 (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 201-6.3(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 shall be submitted to the Administrator (or his or her representative) as well as two copies 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). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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



Condition 6: Compliance Certification
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement: 6 NYCRR 201-6.5 (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 recordkeeping 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 compliance certifications shall be submitted to



Condition 8: Recordkeeping requirements
Effective between the dates of 10/30/2012 and 10/29/2017

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 10/30/2012 and 10/29/2017

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.



Condition 16: General Condition - Right to Inspect
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (8)

Item 16.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (d) (5)

Item 17.1:

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 18: Off Permit Changes
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (f) (6)

Item 18.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the



Applicable Federal Requirement:40CFR 82, Subpart F

Item 21.1:

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 22: Emission Unit Definition
Effective between the dates of 10/30/2012 and 10/29/2017

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: 1-OLFGE

Emission Unit Description:

The emission unit includes the exhausts from the eight (8) engines at the Ontario Landfill LFG to Energy Facility. The engines are numbered starting with the western-most engine and proceeding to the east in ascending order.

Building(s): ENGBLDG

Item 22.2:

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

Emission Unit: 2-OLFGE

Emission Unit Description:

This emission unit will consist of three (3) Caterpillar G3520C landfill gas fueled internal combustion engines connected to individual electricity generators and ancillary equipment (exempt and trivial sources) that supports the electricity generation operations.

Building(s): ENGBLDG2

Condition 23: Compliance Certification
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (f)

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

Plan Objective

The objective of this Plan is to maximize operational flexibility by building into the Title V Permit the capability to make minor changes following a pre-established protocol as allowed for in 6NYCRR Part 201-6.5(f).

This plan does not address those types of changes that would invoke the Part 201-6.7(d) "Significant Permit Modification". Rather, it addresses changes that qualify as minor modifications pursuant to the criteria specified by Part 201-6.7(c).

Protocol for Changes

(1) Certain changes which meet the criteria under (i) - (iii) below may be conducted without prior approval of the Department and shall not require modification of the permit. The facility owner and/or operator must however maintain records of the date and description of such changes and make such records available for review by Department representatives upon request.

(i) changes that do not cause emissions to exceed any emission limitation contained in regulations or applicable requirements under this Chapter;

(ii) changes which do not cause the subject emission unit, emission source, process, or emission point to become subject to any additional regulations or requirements under this Chapter;

(iii) changes that do not seek to establish or modify a federally-enforceable emission cap or limit.

(2) In addition to the record keeping required under (1) above, the permittee must notify the Department in writing at least 30 calendar days in advance of making changes involving:

(i) the installation or relocation of any emission source, process, or emission point within a facility;

(ii) the emission of any air pollutant not previously authorized or emitted in accordance with a permit issued by the Department;



(iii) the installation or alteration of any air cleaning installation, device or control equipment.

(3) The Department may require a permit modification, in order to impose new applicable requirements or special permit conditions if it determines that changes proposed pursuant to notification under (2) above do not meet the criteria under (1) or the change may have a significant air quality impact. In such cases the Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the potential air quality impacts and/or applicable requirements. The Department shall respond to the permittee in writing with such a determination within 15 days of receipt of the 30 day advance notification from the permittee. The Department's determination shall include a listing of information necessary to further review the proposed change.

Reporting

On an annual basis, the facility must submit a summary of all changes made under the Protocol for Changes during that year. This summary is to be submitted as part of the annual compliance certification pursuant to 6NYCRR Part 201-6.5(e).

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 1/30/2013.

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

**Condition 24: Facility Permissible Emissions
Effective between the dates of 10/30/2012 and 10/29/2017**

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 24.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 000630-08-0 PTE: 892,800 pounds per year
Name: CARBON MONOXIDE

CAS No: 0NY210-00-0 PTE: 315,000 pounds per year
Name: OXIDES OF NITROGEN

Condition 25: Capping Monitoring Condition



Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 25.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 25.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 25.3:

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.

Item 25.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 25.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 25.6:

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

Emission Unit: 1-OLFGE

Emission Unit: 2-OLFGE

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 25.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC



OPERATIONS

Monitoring Description:

The sum of emissions of carbon monoxide (CO) from this facility are limited to less than 446.4 tons/year calculated on a rolling 12 month total. This cap will ensure that the facility is not subject to 6NYCRR Part 231-7 for New Source Review in an attainment area. The facility shall calculate monthly CO emissions from the engines using daily individual bHp production data based on the amount of electricity that is generated by each engine and the results from the approved stack test report for emission factors (results of monthly instantaneous CO monitoring will be used to confirm proper operation of the engines and the accuracy of the emission factors). All other sources of CO emissions shall be calculated and included in the facility's rolling 12 month total. The facility shall keep these records in a format acceptable to the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: ELECTRICAL LOAD OUTPUT

Parameter Monitored: ELECTRICAL LOAD OUTPUT

Upper Permit Limit: 446.4 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 26: Capping Monitoring Condition
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 26.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 26.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 26.3:

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,

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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.

Item 26.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 26.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 26.6:

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

Emission Unit: 1-OLFGE

Emission Unit: 2-OLFGE

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 26.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility must show that they are in compliance with the 446.4 tons/yr limit for carbon monoxide. An emission test using 40 CFR 60 APP A-10 or any other method acceptable to the Department, must be completed on a single engine for each engine type (CAT G3516 or CAT G3520C).

The facility must conduct the required emissions test at 100% +/-10% load on each engine to be tested. The Department will determine the engine(s) to be tested using the CO emission rates as determined by the portable CO analyzer prior to the emissions test.

The initial testing must be completed within 180 days of permit issuance (or engine startup, whichever is later), and once per permit term thereafter. Those engines subject to the more frequent testing requirement of 40 CFR 60 Subpart JJJJ may satisfy this condition.

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If a current engine is replaced, the facility must contact the Department, and the Department reserves the right to require a performance test for the replacement engine. These tests must be completed with 180 days of startup of the new engine.

Upper Permit Limit: 446.4 tons per year

Reference Test Method: 40CFR60 APP A-10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 27: Capping Monitoring Condition
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 27.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-5

Item 27.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 27.3:

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.

Item 27.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 27.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 27.6:

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

Emission Unit: 1-OLFGE

Emission Unit: 2-OLFGE

Regulated Contaminant(s):

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

Item 27.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The sum of emissions of oxides of nitrogen (NOx) from this facility are limited to less than 157.50 tons/year calculated on a rolling 12 month total. This facility is now applicable to 6NYCRR Part 227-2 NOx RACT. This cap will ensure that the facility is not subject to 6NYCRR Part 231-5 for New Source Review in a non-attainment area.

The facility shall calculate monthly NOx emissions from the engines using daily individual bHp production data based on the amount of electricity that is generated by each engine and the results from the approved stack test report for emission factors (results of monthly instantaneous NOx monitoring will be used to confirm proper operation of the engines and the accuracy of the emission factors). All other sources of NOx emissions shall be calculated and included in the facility's rolling 12 month total. The facility shall keep these records in a format acceptable to the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: ELECTRICAL LOAD OUTPUT

Parameter Monitored: ELECTRICAL LOAD OUTPUT

Upper Permit Limit: 157.50 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 28: Air pollution prohibited

Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:6 NYCRR 211.1

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Item 28.1:

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 29: EPA Region 2 address.
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 29.1:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Condition 30: Recordkeeping requirements.
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:40CFR 60.7(b), NSPS Subpart A

Item 30.1:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 31: Compliance Certification
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:40CFR 60.7(c), NSPS Subpart A

Item 31.1:

The Compliance Certification activity will be performed for the Facility.



Condition 38: Subpart A provisions that apply to facilities subject to Subpart JJJJ Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:40CFR 60.4246, NSPS Subpart JJJJ

Item 38.1:

The following provisions of 40 CFR 60 Subpart A apply to this facility: 60.1 through 60.12, 60.14 through 60.17 and 60.19.

Condition 39: Compliance Certification Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:40CFR 60.752(b)(2)(iii)('C'), NSPS

Subpart WWW

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In accordance with 40 CFR §60.752(b)(2)(iii)('C'), landfill gas collected from a MSW landfill may be either combusted in an appropriate control device or routed to a treatment system that processes the collected gas for subsequent sale or use.

Treatment is defined by EPA and the Department as compression, dewatering and filtering of particulate.

The following provides a general description of the landfill gas (LFG) treatment system used at the Ontario County LF LFG to Energy Facility.

The equipment and processes that treat (de-water, filter and compress) LFG received from the landfill (prior to its combustion as fuel in the IC engines) consist of:

1. An initial inlet filter, which is used to remove liquid aerosols and solid particulates from the gas;
2. Gas blowers, which are used to compress the gas to a required pressure;
3. A water-to-gas cooler (heat exchanger), which will be used to reduce the elevated temperatures of LFG received from the compressor;
4. A second filter, which is used to remove liquid aerosols and solid particulates from the gas;
5. A glycol scrubber (closed system with no atmospheric vents), which is used to remove moisture and other



impurities from the gas; and
6. A third (and final) filter, which is used to remove liquid aerosols and solid particulates from the gas.

Components of the specified gas treatment system are not equipped with atmospheric vents. Therefore, all of the LFG received by the system is directed to the IC engines for use as a fuel.

Initial (primary) filter vessel vacuum pressure: The pressure on the vacuum side of the gas mover (inlet of the gas flow through the vessel) is continuously monitored with a pressure switch. The existence of elevated pressures indicates that the filter is wet, loaded with particulate matter or significant accumulation of condensate is present in the vessel. The pressure at the primary coalescing filter (vacuum side of blower) should be equal to or less than 20 inches of water.

The primary filter typically operates without any noticeable condensate accumulation (no water is typically present in the vessel).

If the vacuum pressure drop at the primary coalescing filter is observed to be greater than 20 inches of water, the filter will be replaced and/or investigations will be performed to evaluate potential malfunctions of upstream landfill gas dewatering equipment.

The replacement filters will be of comparable design for critical air or gas service applications where high-efficiency removal of oil or water droplets and particulate solids is required. The primary filter is rated for particulate matter removal to 5.0 microns.

Second filter vessel differential pressure: The pressure drop across the second coalescing filter (inlet and outlet of the gas flow through the vessel) is continuously monitored with a pressure differential switch. Large differential pressures (dP) indicate that the filter is wet or loaded with particulate matter and should be replaced. The dP at the second filter (pressure side of blower and downstream of gas cooler) should be equal to or less than 2.0 pounds per square inch differential (psid).

If the pressure drop across the polishing coalescing filter is greater than 2.0 psid, the filter will be replaced and/or investigations will be performed to evaluate potential malfunctions of upstream landfill



gas
dewatering equipment.

The replacement filters will be of comparable design for critical air or gas service applications where high-efficiency removal of oil or water droplets and particulate solids is required. The second filter is rated for particulate matter removal to 1.0 micron.

Third (polishing) filter vessel differential pressure: The pressure drop across the polishing coalescing filter (inlet and outlet of the gas flow through the vessel) is continuously monitored with a pressure differential switch. Large differential pressures (dP) indicate that the filter is wet or loaded with particulate matter and should be replaced. The dP at the polishing filter (pressure side of blower and downstream of the gas cooler) should be equal to or less than 2.0 psid.

If the pressure drop across the polishing coalescing filter is greater than 2.0 psid, the filter will be replaced and/or investigations will be performed to evaluate potential malfunctions of upstream landfill gas dewatering equipment.

The replacement filters will be of comparable design for critical air or gas service applications where high-efficiency removal of oil or water droplets and particulate solids is required. The polishing filter is rated for particulate matter removal to 0.1 micron.

Blower discharge pressure (gas compression): The pressure of the gas in the treatment system is continuously monitored with a pressure switch that is located before (upstream) of the water-to-gas cooler. The landfill gas treatment system (blower) should be operated so that the minimum pressure observed at the specified monitoring location is at least 1.5 pounds per square inch gauge (psig). Pressures measured before the water-to-gas cooler that are less than 1.5 psig are an indication of problems with the gas compression system.

If the pressure of the gas in the treatment system monitored before the water-to-gas cooler is less than 1.5 psig, an investigation of the equipment will be performed and corrective actions implemented.

Water-to-gas cooler outlet temperature: The temperature of the gas in the treatment system is continuously



monitored with a temperature switch that is located before (upstream) of the second filter vessel. The landfill gas treatment system (water-to-gas cooler) should be operated so that the maximum temperature observed at the specified monitoring location is equal to or less than 45°F. Gas temperatures measured before the second filter vessel that are greater than 45°F are an indication of problems with the operation of the water-to-gas cooler.

If the temperature of the gas in the treatment system monitored after the polishing filter vessel is greater than 45°F, an investigation of the water-to-gas cooler will be performed and corrective actions implemented.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 40: General provisions
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:40CFR 63.6665, Subpart ZZZZ

Item 40.1:
Table 8 of 40 CFR 63 Subpart ZZZZ shows which parts of the General Provisions 40 CFR 63.1 through 40 CFR 63.15 apply to this facility. Facility is responsible for ensuring they comply with all General Provisions contained in Table 8.

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

Condition 41: Emission Point Definition By Emission Unit
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 41.1:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-OLFGE

Emission Point: ENG01
Height (ft.): 26 Diameter (in.): 12
NYTMN (km.): 4747.266 NYTME (km.): 329.704 Building: ENGBLDG

Emission Point: ENG02
Height (ft.): 26 Diameter (in.): 12
NYTMN (km.): 4747.267 NYTME (km.): 329.71 Building: ENGBLDG

Emission Point: ENG03

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in the facility. Each internal combustion engine consumes approximately 330 standard cubic feet per minute (scfm) of landfill gas at 50% methane.

Emission Source/Control: 01ENG - Combustion
Design Capacity: 825 kilowatts

Emission Source/Control: 02ENG - Combustion
Design Capacity: 825 kilowatts

Emission Source/Control: 03ENG - Combustion
Design Capacity: 825 kilowatts

Emission Source/Control: 04ENG - Combustion
Design Capacity: 825 kilowatts

Emission Source/Control: 05ENG - Combustion
Design Capacity: 825 kilowatts

Emission Source/Control: 06ENG - Combustion
Design Capacity: 825 kilowatts

Emission Source/Control: 07ENG - Combustion
Design Capacity: 825 kilowatts

Emission Source/Control: 08ENG - Combustion
Design Capacity: 825 kilowatts

Item 42.2:

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

Emission Unit: 2-OLFGE

Process: 002

Source Classification Code: 2-01-008-02

Process Description:

Process 002 will consist of three (3) Caterpillar G3520C landfill gas engine generator sets. Each internal combustion engine consumes approximately 531 standard cubic feet per minute (scfm) of landfill gas at 50% methane. A 100 kilowatt (kW) IC engine generator is operated to supply Process 002 with limited temporary power when utility outages occur. The emergency generator is powered with diesel fuel that is supplied from a 200 gallon above ground storage tank.

Emission Source/Control: 09ENG - Combustion
Design Capacity: 1,600 kilowatts

Emission Source/Control: 10ENG - Combustion
Design Capacity: 1,600 kilowatts

Emission Source/Control: 11ENG - Combustion
Design Capacity: 1,600 kilowatts



Condition 43: Applicability of facilities subject to Subpart JJJJ
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:40CFR 60.4230(a)(4)(i), NSPS Subpart JJJJ

Item 43.1:

This Condition applies to Emission Unit: 1-OLFGE

Item 43.2: The provisions of 40 CFR 60 Subpart JJJJ are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) that commence construction after June 12, 2006, and where the stationary SI ICE are manufactured on or after July 1, 2007, for engines with a maximum engine power greater than or equal to 500 HP (except lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP). For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

Condition 44: Compliance Certification
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:40CFR 60.4243(a)(1), NSPS Subpart JJJJ

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-OLFGE

Regulated Contaminant(s):

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

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If you are an owner of a stationary SI internal combustion engine greater than 500 HP that combusts landfill gas, and must comply with the emission standards specified in 40 CFR 60.4233(e), you must demonstrate compliance according to (1) or (2) specified below:

1) Purchasing an engine certified according to procedures specified in 40 CFR 60 Subpart JJJJ, for the same model year and demonstrating compliance according to one of the methods specified in 40 CFR 60.4243(a):



i. If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator.

ii. If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be

considered a non-certified engine, and you must demonstrate compliance according to the requirements specified for non-certified engines, given in item (2) below.

2) Purchasing a non-certified engine and demonstrating compliance with emission standards specified in 40 CFR 60.4233(e) according to the requirements specified in 40 CFR 60.4244, as applicable. In addition, for engines that are greater than 500 HP, you 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. In addition, you must conduct an initial performance test and conduct subsequent performance testing every 8,760 hours of operation or 3 years, whichever comes first, thereafter to demonstrate compliance.

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 1/30/2013.

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

Condition 45: Compliance Certification
Effective between the dates of 10/30/2012 and 10/29/2017

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

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-OLFGE

Item 45.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 8-3244-00040/00002

Facility DEC ID: 8324400040



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of stationary SI ICE that are subject to the provisions of 40 CFR Subpart JJJJ must meet the following notification, reporting and recordkeeping requirements.

- (1) All notifications submitted to comply with this subpart and all documentation supporting any notification.
- (2) Maintenance conducted on the engine.
- (3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable
- (4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards.

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 1/30/2013.

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

Condition 55: Stationary RICE subject to regulations under 40 CFR Part 60

Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:40CFR 63.6590(c), Subpart ZZZZ

Item 55.1:

This Condition applies to Emission Unit: 1-OLFGE

Item 55.2:

An affected source that meets any of the criteria listed below must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

- new or reconstructed stationary RICE located at an area source,
- new or reconstructed 2SLB stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,



- new or reconstructed 4SLB stationary RICE with a site rating of less than 250 brake horsepower located at a major source of HAP emissions,
- new or reconstructed spark ignition 4 stroke rich burn (4SRB) stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis,
- new or reconstructed emergency or limited use stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions.

Condition 46: Compliance Certification
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:40CFR 63.6603(a), Subpart ZZZZ

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-OLFGE

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing non-emergency, non-black start landfill or digester gas fired stationary RICE located at an area source of HAP emissions (for engines constructed or reconstructed prior to June 12, 2006) must comply with the following maintenance procedures by October 19, 2013:

- (1) Change oil and filter every 1,440 hours of operation or annually, whichever comes first,
- (2) Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first,
- (3) Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.6630.

Continuous compliance will then be demonstrated according to 40 CFR 63.6640. The facility must keep records according to the provisions in 40 CFR 63.6655 and submit the notifications and reports listed in 40 CFR 63.6645 and 63.6650.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 47: Compliance Certification
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement: 40CFR 63.6625(e), Subpart ZZZZ

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-OLFGE

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any of the following stationary RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

- (1) An existing stationary RICE with a site rating of less than 100 brake horsepower located at a major source of HAP emissions;
- (2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions;
- (3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;
- (4) An existing non-emergency, non-black start stationary compression ignition RICE with a site rating less than or equal to 300 brake horsepower located at an area source of HAP emissions;
- (5) An existing non-emergency, non-black start 2 stroke lean burn stationary RICE located at an area source of HAP emissions;
- (6) An existing non-emergency, non-black start landfill or digester gas stationary RICE located an area source of HAP emissions (for engines constructed or reconstructed prior



to June 12, 2006).

(7) An existing non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;

(8) An existing non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;

(9) An existing, non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating greater than 500 brake horsepower located an an area source of HAP emissions that is operated 24 hours or less per calendar year; and

(10) An existing, non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that is operated 24 hours or less per calendar year.

The Facility must comply with these requirements by October 19, 2013.

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 1/30/2013.

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

Condition 48: Compliance Certification
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:40CFR 63.6625(h), Subpart ZZZZ

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-OLFGE

Item 48.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The following requirements apply to existing non-emergency non-black start landfill or digester gas

New York State Department of Environmental Conservation

Permit ID: 8-3244-00040/00002

Facility DEC ID: 8324400040



fired stationary RICE located at an area source of HAP emissions (for engines constructed or reconstructed prior to June 12, 2006):

For operation of a new, reconstructed , or existing stationary engine, the engine's time spent at idle must be minimized during startup and minimize the engine's startup timeto a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to 40 CFR 63 Subpart ZZZZ apply. Compliance with this requirement must be achieved by October 19, 2013.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 30 minutes

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 49: Compliance Certification

Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:40CFR 63.6625(j), Subpart ZZZZ

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-OLFGE

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary spark ignition engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c of subpart ZZZZ or in items 5, 6, 7, 9, or 11 of Table 2d of subpart ZZZZ has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d of subpart ZZZZ.

The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by



more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 50: Compliance Certification
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement: 40CFR 63.6655(a), Subpart ZZZZ

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-OLFGE

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For all existing non-emergency non-black start landfill or digester gas fired stationary RICE located at an area source of HAP emissions (for engines constructed or reconstructed prior to June 12, 2006), the Facility must keep the records described in paragraphs (1) through (5) beginning on October 19, 2013.

(1) A copy of each notification and report that the owner or operator submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that he/she submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv).



(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

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 1/30/2013.

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

Condition 51: Compliance Certification

Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement: 40CFR 63.6655(e), Subpart ZZZZ

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-OLFGE

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that he/she operated and maintained the stationary RICE and after-treatment control device (if any) according to the maintenance plan for the following stationary RICE;

(1) An existing stationary RICE with a site rating of less than 100 brake horsepower located at a major source of HAP emissions.

(2) An existing stationary emergency RICE.



(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to Subpart ZZZZ.

The facility must be in compliance with these record-keeping procedures by October 19, 2013.

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 1/30/2013.

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

Condition 52: Capping Monitoring Condition
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 52.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 52.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 52.3:

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.

Item 52.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 52.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.



Item 52.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-OLFGE

Process: 001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 52.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to show compliance with the 446.4 ton per year limit for carbon monoxide, the facility is required to perform the following periodic monitoring for carbon monoxide (CO) emissions in the exhaust stacks of the 8-CAT 3516 internal combustion (IC) engines (emission sources 01ENG-08ENG):

1. CO emissions shall be measured monthly, at a stack location acceptable to the Department, while the engine is operating at base load (base load is a normal operating load) using a properly calibrated portable gas analyzer approved for use by the Department.
2. The CO measurement will consist of the average of three instantaneous concentration readings that are obtained over a 3 minute period.
3. The first of the three CO concentration readings will start after the portable analyzer has sampled engine exhaust for at least one (1) minute.
4. The second and third CO concentration readings will occur at consecutive 1 minute intervals.
5. The three CO concentration readings will be recorded and their average calculated.
6. The calculated average will be the CO measurement for that month and must not exceed the permitted emissions rate of the engines. A threshold for CO (ppm) will be established based on the permitted emission factor of the engines (2.71 g/bHp-hr) and the measured exhaust stack conditions from the most recent performance test.

If the concentration is greater than 110% of the threshold, the permittee shall take corrective action as soon as possible, but not later than 5 days after



detection, and shall retake the CO measurement as outlined above within 24 hours of taking corrective action.

If corrective action taken does not bring the reading back into compliance with this limit, a new stack test shall be scheduled within 60 days of the initial reading in order to verify that the current operating conditions can meet the limit for carbon monoxide.

If the corrective actions are taken as specified in this Condition, the monitored exceedance is not a violation of the permit operational requirements, however, the permittee shall report these episodes as deviations on the annual compliance certification and the semi-annual monitoring report that cover the monitoring period when the deviations occurred.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 446.4 tons per year
Reference Test Method: See Monitoring Description
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 53: Compliance Certification
Effective between the dates of 10/30/2012 and 10/29/2017

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

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-OLFGE
Process: 001

Item 53.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. The facility will perform a visual observation on a daily basis. If any opacity is noted, corrective action will be taken immediately or a Method 9 will be performed within two business days.

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Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA METHOD 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 54: Compliance Certification
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement: 6 NYCRR 227-2.6 (c)

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-OLFGE
Process: 001

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to show compliance with the NO_x RACT standard of sources firing landfill gas of 2.0 grams per brake horsepower-hour, the facility is required to conduct an emission test under 6NYCRR Part 227-2.6(a)(7). In accordance with this requirement, the facility must:

1) submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the Department; and

2) utilize the procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and the Administrator for determining compliance with the NO_x limit of 2.0 grams per brake horsepower-hour, and must, in addition, follow the procedures set forth in 6NYCRR Part 202 as follows:

For stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another



reference method approved by the Department;

3) submit a compliance test report containing the results of the emission test to the Department no later than 60 days after completion of the emission test.

The facility must conduct the required emissions test at 100% +/- 10% load on one (1) of the eight (8) identical permitted engines in Emission Unit 1-OLFGE. The Department will base its decision on which engine requires testing using the NOx emission rates as determined by the portable NOx analyzer prior to the emissions test.

The initial testing shall be completed within 180 days of permit issuance, and once per permit term thereafter.

If a current engine is replaced, the facility must contact the Department, and the Department reserves the right to require a performance test for the replacement engine.

Upper Permit Limit: 2.0 grams per brake horsepower-hour

Reference Test Method: EPA Method 7, 7E or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 56: Applicability of facilities subject to Subpart JJJJ Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement: 40CFR 60.4230(a)(4)(i), NSPS Subpart JJJJ

Item 56.1:

This Condition applies to Emission Unit: 2-OLFGE

Item 56.2: The provisions of 40 CFR 60 Subpart JJJJ are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) that commence construction after June 12, 2006, and where the stationary SI ICE are manufactured on or after July 1, 2007, for engines with a maximum engine power greater than or equal to 500 HP (except lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP). For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

Condition 57: Compliance Certification



Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement: 40CFR 60.4243(a)(1), NSPS Subpart

JJJJ

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-OLFGE

Regulated Contaminant(s):

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

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If you are an owner of a stationary SI internal combustion engine greater than 500 HP that combusts landfill gas, and must comply with the emission standards specified in 40 CFR 60.4233(e), you must demonstrate compliance according to (1) or (2) specified below:

1) Purchasing an engine certified according to procedures specified in 40 CFR 60 Subpart JJJJ, for the same model year and demonstrating compliance according to one of the methods specified in 40 CFR 60.4243(a):

i. If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator.

ii. If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be

considered a non-certified engine, and you must demonstrate compliance according to the requirements specified for non-certified engines, given in item (2) below.

2) Purchasing a non-certified engine and demonstrating compliance with emission standards specified in 40 CFR 60.4233(e) according to the requirements specified in 40 CFR 60.4244, as applicable. In addition, for engines that



are greater than 500 HP, you 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. In addition, you must conduct an initial performance test and conduct subsequent performance testing every 8,760 hours of operation or 3 years, whichever comes first, thereafter to demonstrate compliance.

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 1/30/2013.

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

Condition 58: Compliance Certification
Effective between the dates of 10/30/2012 and 10/29/2017

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

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-OLFGE

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of stationary SI ICE that are subject to the provisions of 40 CFR Subpart JJJJ must meet the following notification, reporting and recordkeeping requirements.

- (1) All notifications submitted to comply with this subpart and all documentation supporting any notification.
- (2) Maintenance conducted on the engine.
- (3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable
- (4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2),



documentation that the engine meets the emission standards.

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 1/30/2013.

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

Condition 59: Stationary RICE subject to regulations under 40 CFR Part 60

Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:40CFR 63.6590(c), Subpart ZZZZ

Item 59.1:

This Condition applies to Emission Unit: 2-OLFGE

Item 59.2:

An affected source that meets any of the criteria listed below must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

- new or reconstructed stationary RICE located at an area source,
- new or reconstructed 2SLB stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed 4SLB stationary RICE with a site rating of less than 250 brake horsepower located at a major source of HAP emissions,
- new or reconstructed spark ignition 4 stroke rich burn (4SRB) stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis,
- new or reconstructed emergency or limited use stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions.

Condition 60: Capping Monitoring Condition

Effective between the dates of 10/30/2012 and 10/29/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 60.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:



6 NYCRR Subpart 231-7

Item 60.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 60.3:

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.

Item 60.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 60.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 60.6:

The Compliance Certification activity will be performed for:

Emission Unit: 2-OLFGE
Process: 002

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

Item 60.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to show compliance with the 446.4 ton per year limit for carbon monoxide, the facility is required to perform the following periodic monitoring for carbon monoxide (CO) emissions in the exhaust stacks of the 3-CAT 3520 internal combustion (IC) engines (emission sources 09ENG-1 1ENG):

1. CO emissions shall be measured monthly, at a stack location acceptable to the Department, while the engine is operating at base load (base load is a normal operating



load) using a properly calibrated portable gas analyzer approved for use by the Department.

2. The CO measurement will consist of the average of three instantaneous concentration readings that are obtained over a 3 minute period.

3. The first of the three CO concentration readings will start after the portable analyzer has sampled engine exhaust for at least one (1) minute.

4. The second and third CO concentration readings will occur at consecutive 1 minute intervals.

5. The three CO concentration readings will be recorded and their average calculated.

6. The calculated average will be the CO measurement for that month and must not exceed the permitted emissions rate of the engines. A threshold for CO (ppm) will be established based on the permitted emission factor of the engines (3.2 g/bHp-hr) and the measured exhaust stack conditions from the most recent performance test or engine specifications if a performance test has not yet been conducted.

If the concentration is greater than 110% of the threshold, the permittee shall take corrective action as soon as possible, but not later than 5 days after detection, and shall retake the CO measurement as outlined above within 24 hours of taking corrective action.

If corrective action taken does not bring the reading back into compliance with this limit, a new stack test shall be scheduled within 60 days of the initial reading in order to verify that the current operating conditions can meet the limit for carbon monoxide.

If the corrective actions are taken as specified in this Condition, the monitored exceedance is not a violation of the permit operational requirements, however, the permittee shall report these episodes as deviations on the annual compliance certification and the semi-annual monitoring report that cover the monitoring period when the deviations occurred.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 446.4 tons per year

Reference Test Method: See Monitoring Description

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to show compliance with the NO_x RACT standard of sources firing landfill gas of 2.0 grams per brake horsepower-hour, the facility is required to conduct an emission test under 6NYCRR Part 227-2.6(a)(7). Those engines subject to the more frequent testing requirement of 40 CFR 60 Subpart JJJJ may satisfy this condition. In accordance with this requirement, the facility must:

1) submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the Department; and

2) utilize the procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and the Administrator for determining compliance with the NO_x limit of 2.0 grams per brake horsepower-hour, and must, in addition, follow the procedures set forth in 6NYCRR Part 202 as follows:

For stationary internal combustion engines, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the Department;

3) submit a compliance test report containing the results of the emission test to the Department no later than 60 days after completion of the emission test.

The facility must conduct the required emissions test at 100% +/- 10% load on one (1) of the three (3) identical permitted engines in Emission Unit 2-OLFGE. The Department will base its decision on which engine requires testing using the NO_x emission rates as determined by the portable NO_x analyzer prior to the emissions test.

The initial testing shall be completed within 180 days of permit issuance (or engine startup, whichever is later), and once per permit term thereafter.

If a current engine is replaced, the facility must contact the Department, and the Department reserves the right to require a performance test for the replacement engine.

New York State Department of Environmental Conservation

Permit ID: 8-3244-00040/00002

Facility DEC ID: 8324400040



Upper Permit Limit: 2.0 grams per brake horsepower-hour

Reference Test Method: EPA Method 7, 7E or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



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: 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 63: Contaminant List
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable State Requirement:ECL 19-0301

Item 63.1:
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: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Condition 64: Unavoidable noncompliance and violations
Effective between the dates of 10/30/2012 and 10/29/2017**

Applicable State Requirement:6 NYCRR 201-1.4

Item 64.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

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Permit ID: 8-3244-00040/00002

Facility DEC ID: 8324400040



(e) 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.

Condition 65: Visible Emissions Limited
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable State Requirement:6 NYCRR 211.2

Item 65.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

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

Condition 66: Compliance Demonstration
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable State Requirement:6 NYCRR 227-2.4 (f) (2)

Item 66.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-OLFGE
Process: 001

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 66.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

In order to show compliance with the NOx RACT standard of sources firing landfill gas of 2.0 grams per brake horsepower-hour, the facility is required to perform the following periodic monitoring for oxides of nitrogen (NOx) emissions in the exhaust stacks of the 8-CAT 3516 internal combustion (IC) engines (emission sources 01ENG-08ENG):

1. NOx emissions shall be measured monthly, at a stack location acceptable to the Department, while the engine is operating at base load (base load is a normal operating load) using a properly calibrated portable gas analyzer



approved for use by the Department.

2. The NO_x measurement will consist of the average of three instantaneous concentration readings that are obtained over a 3 minute period.
3. The first of the three NO_x concentration readings will start after the portable analyzer has sampled engine exhaust for at least one (1) minute.
4. The second and third NO_x concentration readings will occur at consecutive 1 minute intervals.
5. The three NO_x concentration readings will be recorded and their average calculated.
6. The calculated average will be the NO_x measurement for that month and must not exceed the permitted emission rate of the engines. A threshold for NO_x (ppm) will be established based on the permitted emission factor of the engines (1.05 g/bHp-hr) and the measured exhaust stack conditions from the most recent performance test.

If the concentration is greater than 110% of the threshold, the permittee shall take corrective action as soon as possible, but not later than 5 days after detection, and shall retake the NO_x measurement as outlined above within 24 hours of taking corrective action.

If corrective action taken does not bring the reading back into compliance with this limit, a new stack test shall be scheduled within 60 days of the initial reading in order to verify that the current operating conditions can meet the permitted emission rate of the engines.

If the corrective actions are taken as specified in this Condition, the monitored exceedance is not a violation of the permit operational requirements, however, the permittee shall report these episodes as deviations on the annual compliance certification and the semi-annual monitoring report that cover the monitoring period when the deviations occurred.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 1.05 grams per brake horsepower-hour
Reference Test Method: Handheld NO_x monitor
Monitoring Frequency: MONTHLY
Averaging Method: 3-MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.



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

Condition 67: Compliance Demonstration
Effective between the dates of 10/30/2012 and 10/29/2017

Applicable State Requirement: 6 NYCRR 227-2.4 (f) (2)

Item 67.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-OLFGE
Process: 002

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 67.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

In order to show compliance with the NO_x RACT standard of sources firing landfill gas of 2.0 grams per brake horsepower-hour, the facility is required to perform the following periodic monitoring for oxides of nitrogen (NO_x) emissions in the exhaust stacks of the 3-CAT 3520 internal combustion (IC) engines (emission sources 09ENG-11ENG):

1. NO_x emissions shall be measured monthly, at a stack location acceptable to the Department, while the engine is operating at base load (base load is a normal operating load) using a properly calibrated portable gas analyzer approved for use by the Department.
2. The NO_x measurement will consist of the average of three instantaneous concentration readings that are obtained over a 3 minute period.
3. The first of the three NO_x concentration readings will start after the portable analyzer has sampled engine exhaust for at least one (1) minute.
4. The second and third NO_x concentration readings will occur at consecutive 1 minute intervals.
5. The three NO_x concentration readings will be recorded and their average calculated.
6. The calculated average will be the NO_x measurement for that month and must not exceed the permitted emission rate



of the engines. A threshold for NO_x (ppm) will be established based on the permitted emission factor of the engines (1.0 g/bHp-hr) and the measured exhaust stack conditions from the most recent performance test.

If the concentration is greater than 110% of the threshold, the permittee shall take corrective action as soon as possible, but not later than 5 days after detection, and shall retake the NO_x measurement as outlined above within 24 hours of taking corrective action.

If corrective action taken does not bring the reading back into compliance with this limit, a new stack test shall be scheduled within 60 days of the initial reading in order to verify that the current operating conditions can meet the permitted emission rate of the engines.

If the corrective actions are taken as specified in this Condition, the monitored exceedance is not a violation of the permit operational requirements, however, the permittee shall report these episodes as deviations on the annual compliance certification and the semi-annual monitoring report that cover the monitoring period when the deviations occurred.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 1.0 grams per brake horsepower-hour

Reference Test Method: Handheld NO_x monitor

Monitoring Frequency: MONTHLY

Averaging Method: 3-MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

