



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 8-2648-00014/00011
Effective Date: 02/26/2016 Expiration Date: 02/25/2021

Permit Issued To: MONROE COUNTY
39 W MAIN ST
ROCHESTER, NY 14614-1476

Contact: MICHAEL J GARLAND
MONROE COUNTY DEPT ENV SERVICES
50 W MAIN ST
ROCHESTER, NY 14614
(585) 753-7511

Facility: RIGA/MILL SEAT LANDFILL
303 BREW RD
BERGEN, NY 14416

Contact: JEFFREY G RICHARDSON
WMNY - MILL SEAT LANDFILL
303 BREW RD
BERGEN, NY 14416
(585) 494-3000

Description:
Renewal of the Title V Facility Permit issued September 11, 2006 and modification to add two generator engines (CAT 3520 internal combustion engines) in a new building to utilize additional landfill gas production at the existing landfill gas to energy (LFGTE) plant. This landfill is subject to federal New Source Performance Standards in 40 CFR Part 60, Subpart WWW, since its design capacity exceeds 2,500,000 megagrams (metric tons) and 2,500,000 cubic meters. The landfill therefore meets the applicability definition specified in 6 NYCRR Part 201-6.1(a)(2), and is required to maintain a Title V Facility Permit.

The original Emission Unit, 1-LANDF, includes a 3000-cfm open flare, a 3500-cfm enclosed flare, fugitive emissions from the landfill, fugitive emissions from two 1.5 million gallon leachate storage tanks, and other exempt equipment. The LFGTE plant Emission Unit P-00001 authorizes operation of eight landfill gas-fired Caterpillar 3516 Internal Combustion (IC) engines rated at 1,148 brake horsepower (bhp), reducing the landfill gas volume burned by the flares. The LFGTE plant Emission Unit P-00002 authorizes operation of two new landfill gas-fired Caterpillar 3520 IC engines rated at 2,233 bhp.

The sum of emissions of oxides of nitrogen (NOx) from Emission Unit 1-LANDF and



Emission Unit P-00001 are limited to 190 tons/year. The operation of the two additional engines in Emission Unit P-00002 are limited to 21.6 tons/year of NO_x. With a larger fraction of landfill gas going to generator engines, additional NO_x from the new engines will be partially offset by lower NO_x emissions from landfill gas flares. Because the calculated NO_x increase is less than the 40 ton per year increase applicability threshold of 6 NYCRR 231-13, the facility is not subject to NYCRR Part 231-6 Modifications to Existing Major Facilities in Non-Attainment Areas and Attainment Areas of the State Within the Ozone Transport Region.

The facility is an existing major source of carbon monoxide (CO). The greater than 100 tpy increase of CO emissions due to the additional 2-CAT 3520 IC engines makes the facility applicable to 6 NYCRR Part 231-8 for Modifications to Existing Major Facilities in Attainment Areas (Prevention of Significant Deterioration). The facility is required to do a Best Available Control Technology analysis. The Department has determined that BACT for carbon monoxide for the CAT 3520 IC engines in Emission Unit P-00002 is Good Combustion Control Practices/Technologies for Internal Combustion Engines.

The facility performed a significant impact level analysis which included the two CAT 3520 IC engines in emission unit P-00002. In order to comply with the emission rates that were modeled, the facility must demonstrate that the engines are meeting the 17.2 lb/hr of Carbon Monoxide per engine.

Compliance verification includes emissions testing on CO and NO_x sources, calculation of monthly emissions of CO and NO_x, and calculation of 12 month rolling totals of emissions.

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
NYSDEC - REGION 8
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 renewal application at least 180 days before expiration of permits for both Title V and State Facility Permits.

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:



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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 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

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Facility DEC ID: 8264800014



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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39 W MAIN ST
ROCHESTER, NY 14614-1476

Facility: RIGA/MILL SEAT LANDFILL
303 BREW RD
BERGEN, NY 14416

Authorized Activity By Standard Industrial Classification Code:
4953 - REFUSE SYSTEMS

Permit Effective Date: 02/26/2016

Permit Expiration Date: 02/25/2021



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 23 6 NYCRR 201-6.4 (f): Compliance Certification
- *24 6 NYCRR 201-7.1: Capping Monitoring Condition
- *25 6 NYCRR 201-7.1: Capping Monitoring Condition
- *26 6 NYCRR 201-7.1: Capping Monitoring Condition
- 27 6 NYCRR 211.1: Air pollution prohibited
- 28 6 NYCRR 212.4 (a): Compliance Certification
- 29 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 30 40CFR 60.7(a), NSPS Subpart A: Modification Notification
- 31 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 32 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
- 33 40CFR 60.7(e), NSPS Subpart A: Monitoring frequency waiver.
- 34 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 35 40CFR 60.7(g), NSPS Subpart A: Notification Similar to State or Local Agency
- 36 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 37 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 38 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 39 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 40 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 41 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 42 40CFR 60.9, NSPS Subpart A: Availability of information.

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- 43 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 44 40CFR 60.11(d), NSPS Subpart A: Compliance with Standards and Maintenance Requirements
- 45 40CFR 60.12, NSPS Subpart A: Circumvention.
- 46 40CFR 60.14, NSPS Subpart A: Modifications.
- 47 40CFR 60.15, NSPS Subpart A: Reconstruction
- 48 40CFR 60.4246, NSPS Subpart JJJJ: Subpart A provisions that apply to facilities subject to Subpart JJJJ
- 49 40CFR 60.752(b)(1), NSPS Subpart WWW: Standards for air emissions from MSW landfills
- 50 40CFR 60.752(b)(2), NSPS Subpart WWW: Standards for air emissions from MSW landfills
- 51 40CFR 60.754(a)(1), NSPS Subpart WWW: Calculation of Non-Methane Organic Carbon (NMOC) Emissions
- 52 40CFR 60.754(a)(2), NSPS Subpart WWW: NMOC Calculation - Tier 1
- 53 40CFR 60.754(a)(3), NSPS Subpart WWW: NMOC Calculation - Tier 2
- 54 40CFR 60.757(a), NSPS Subpart WWW: Reporting requirements - Initial design capacity
- 55 40CFR 60.757(b), NSPS Subpart WWW: Reporting requirements - NMOC emission rate
- 56 40CFR 60.758(a), NSPS Subpart WWW: Compliance Certification
- 57 40CFR 61.154, NESHAP Subpart M: Asbestos-containing waste material standard for active waste disposal sites
- 58 40CFR 63.6665, Subpart ZZZZ: General provisions
- Emission Unit Level**
- 59 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 60 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 61 6 NYCRR 201-7.1: Emission Unit Permissible Emissions

EU=1-LANDE,Proc=002

- 62 6 NYCRR 200.6: Compliance Certification
- 63 6 NYCRR 200.6: Compliance Certification
- 64 6 NYCRR 212.6 (a): Compliance Certification

EU=P-00001

- 65 40CFR 60, NSPS Subpart JJJJ: Compliance Certification
- 66 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification
- 67 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification
- 68 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification
- 69 40CFR 60.4243(a)(1), NSPS Subpart JJJJ: Compliance Certification
- 70 40CFR 60.4243(b)(2)(ii), NSPS Subpart JJJJ: Compliance Certification
- 71 40CFR 60.4244, NSPS Subpart JJJJ: Test methods and procedures
- 72 40CFR 60.4245(a), NSPS Subpart JJJJ: Compliance Certification
- 73 40CFR 60.4245(c), NSPS Subpart JJJJ: Compliance Certification
- 74 40CFR 60.4245(d), NSPS Subpart JJJJ: Performance test requirements
- 75 40CFR 63.6590(c), Subpart ZZZZ: Stationary RICE subject to regulations under 40 CFR Part 60
- 76 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
- 77 40CFR 63.6625, Subpart ZZZZ: Compliance Certification
- 78 40CFR 63.6655, Subpart ZZZZ: Compliance Certification

EU=P-00001,Proc=100

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- *79 6 NYCRR 201-7.1: Capping Monitoring Condition
- 80 6 NYCRR 227-1.3 (a): Compliance Certification
- 81 6 NYCRR 227-2.4 (f) (2): Compliance Certification
- 82 6 NYCRR 227-2.4 (f) (2): Compliance Certification
- 83 6 NYCRR 227-2.6 (c): Compliance Certification
- 84 40CFR 60.4230(a)(4)(i), NSPS Subpart JJJJ: Compliance Certification
- 85 40CFR 60.752(b)(2)(iii)(C), NSPS Subpart WWW: Compliance Certification

EU=P-00001,Proc=GEN

- 86 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification

EU=P-00001,Proc=GEN,ES=EMGEN

- 87 40CFR 63.6604, Subpart ZZZZ: Compliance Certification

EU=P-00002

- 88 6 NYCRR 200.6: Compliance Certification
- 89 6 NYCRR 200.6: Compliance Certification
- *90 6 NYCRR 201-7.1: Capping Monitoring Condition
- 91 6 NYCRR Subpart 231-8: Compliance Certification
- 92 6 NYCRR Subpart 231-8: Compliance Certification
- 93 40CFR 60, NSPS Subpart JJJJ: Compliance Certification
- 94 40CFR 60.4230(a)(4)(i), NSPS Subpart JJJJ: Applicability of facilities subject to Subpart JJJJ
- 95 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification
- 96 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification
- 97 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification
- 98 40CFR 60.4243(a)(1), NSPS Subpart JJJJ: Compliance Certification
- 99 40CFR 60.4243(b)(2)(ii), NSPS Subpart JJJJ: Compliance Certification
- 100 40CFR 60.4244, NSPS Subpart JJJJ: Test methods and procedures
- 101 40CFR 60.4245(a), NSPS Subpart JJJJ: Compliance Certification
- 102 40CFR 60.4245(c), NSPS Subpart JJJJ: Compliance Certification
- 103 40CFR 60.4245(d), NSPS Subpart JJJJ: Performance test requirements
- 104 40CFR 63.6590(c), Subpart ZZZZ: Stationary RICE subject to regulations under 40 CFR Part 60

EU=P-00002,Proc=101

- 105 6 NYCRR 227-1.3 (a): Compliance Certification
- 106 40CFR 60.752(b)(2)(iii)(C), NSPS Subpart WWW: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 107 ECL 19-0301: Contaminant List
- 108 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

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

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

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

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

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

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

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

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

Item B: 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.

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Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

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

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

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

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

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

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

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

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

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



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

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

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

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

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

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

Item 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

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(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 02/26/2016 and 02/25/2021

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 02/26/2016 and 02/25/2021

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

Item 2.1:

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

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 02/26/2016 and 02/25/2021

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

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Item 3.1:

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

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

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

**Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 02/26/2016 and 02/25/2021**

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

Item 4.1:

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

**Condition 5: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021**

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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



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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill

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Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

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

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Monitoring Frequency: SEMI-ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related 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

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anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

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

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

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 8 Headquarters
6274 East Avon-Lima Road
Avon, NY 14414-9519

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

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Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements
Effective between the dates of 02/26/2016 and 02/25/2021**

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 02/26/2016 and 02/25/2021**

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.

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- (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.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

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

**Condition 10: Maintenance of Equipment
Effective between the dates of 02/26/2016 and 02/25/2021**

Applicable Federal Requirement: 6 NYCRR 200.7

Item 10.1:

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

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Condition 11: Recycling and Salvage
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR 201-3.3 (a)

Item 14.1:

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

Condition 15: Requirement to Provide Information
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 15.1:

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The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: Right to Inspect
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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: Off Permit Changes
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 17.1:

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 facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change

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in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 18: Required Emissions Tests
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 19: Accidental release provisions.
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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

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

Condition 21: Emission Unit Definition

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: 1-LANDF

Emission Unit Description:

The emission unit includes the uncontrolled fugitive emissions from the Mill Seat Landfill resulting from the decomposition of municipal solid waste. The emission unit also includes one 3000- cfm open flare; one 3,500-cfm enclosed flare; two 1.5 million gallon leachate storage tanks.

Building(s): LANDFILL

Item 21.2:

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

Emission Unit: P-00001

Emission Unit Description:

This emission unit consists of eight (8) Caterpillar 3516 IC engine/generator sets that combust landfill gas to generate electricity for sale. Each engine/generator set is rated at 1,148 brake horsepower. This emission unit also contains an emergency generator and insignificant activities such as crankcase breather vents, landfill gas treatment system, condensate tanks, and storage tanks/drums for petroleum products.

Building(s): GASPLANT

Item 21.3:

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

Emission Unit: P-00002

Emission Unit Description:

This emission unit consists of two Caterpillar 3520 engine/generator sets that combust landfill gas to generate electricity for sale. Each engine/generator set is rated at 2,233 brake horsepower. This emission unit also contains insignificant activities such as crankcase breather vents, landfill gas treatment system, condensate tanks, and storage tanks/drums for petroleum products.

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Building(s): PLANT2

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 22.1:

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 23: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (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

I. Protocol Objective

The objective of this condition is to maximize operational flexibility at the facility by building into the Title V permit the capability to make certain changes using a protocol. As provided under 6 NYCRR Part 201-6.4(f)(2), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.6.

II. Protocol

A. Criteria

- 1. Changes reviewed under this protocol shall be evaluated in accordance with the following criteria:



a. All underlying federal and state requirements with which the new or changed emission source must comply must exist in the Title V permit. Existing permit conditions may be amended to reference or include the new or changed emission source and any related information, and/or subject to DEC approval, new conditions proposed, to provide the appropriate monitoring parameters.

b. Any new or changed emission source shall not be part of a source project that results in a significant net emissions increase that exceeds the New Source Review (NSR) thresholds identified in 6 NYCRR Part 231.

c. The facility shall not use the protocol to make physical changes or changes in the method of operation of existing emissions sources that would require a new or modified federally enforceable cap either to avoid major NSR requirements or to address and comply with other Clean Air Act requirements, such as RACT. Such changes must be addressed via the significant permit modification provisions.

B. Notification Requirements for Changes Reviewed under the Protocol

1. The facility shall notify the Department in writing of the proposed change.

2. Notifications made in accordance with this protocol will include the following documentation:

a. Identification of the Title V permit emission unit, process(es), emission sources and emission points affected by the proposed change with applicable revisions to the Emission Unit structure;

b. Description of the proposed change, including operating parameters;

c. Identification and description of emissions control technology;

d. Documentation of the project's, or emission source's, compliance with respect to all state and/or federally applicable requirements, including the following steps:

i. Calculate the emission rate potential and maximum projected actual annual emission rates for all contaminants affected by the change.



- ii. Submit documentation of major NSR program non-applicability for NYSDEC review and approval.
- iii. Identify and evaluate the applicability of all regulations likely to be triggered by the new or changed emission source.
- iv. Propose any operating and record keeping procedures necessary to ensure compliance.
- e. Any other relevant information used for the evaluation of the proposed project or emission source under the Protocol.

C. Review and Approval of Changes

- 1. The Department shall respond to the permittee in writing with a determination within 15 days of receipt of the notification of the permittee.
- 2. The Department may require a permit modification, in order to impose new applicable requirements or additional permit conditions if it determines that changes proposed pursuant to notification do not meet the criteria under II. A above or that the changes may have a significant air quality impact or be otherwise potentially significant under SEQRA (6 NYCRR Part 617).
- 3. The Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the proposed change, which may include potential air quality impacts and/or applicable requirements. The Department's determination shall include a listing of information required for further review, if necessary.

D. Additional Compliance Obligations for Changes Made Under this Protocol

- 1. Upon commencement of the change, the facility shall comply with all applicable requirements and permit conditions, including any amended or proposed in accordance with II.A.1.a above.
- 2. The facility shall provide with the semi-annual monitoring report, a summary of the changes made in accordance with this protocol and a statement of the compliance status of each. Changes reported should include all those made during the corresponding period and any earlier changes that have not yet been incorporated

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into the permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 24: Capping Monitoring Condition
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 24.1:

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 231-8

Item 24.2:

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

Item 24.3:

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 24.4:

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 24.5:

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 24.6:

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

Emission Unit: 1-LANDF

Emission Unit: P-00001

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Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 24.7:

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 479 tons/yr limit for carbon monoxide for the existing landfill (Emission Unit 1-LANDF) and the existing energy plant (Emission Unit P-00001). An emission test using 40CFR60 APP A-10, or any other method acceptable to the Department, must be completed on one engine from P-00001. The Department will determine which engine is to be tested by having the facility utilize the same procedures specified under 6NYCRR Part 227-2.6(c) of this permit for emissions testing for oxides of nitrogen in their testing of carbon monoxide.

The facility must conduct the required emissions test at 100% +/- 10% load on an engine selected by the Department.

The Department will base its decision using the CO emission rates as determined by the portable CO analyzer prior to the emissions test.

Testing must be completed once per permit term. Those engines subject to the more frequent testing requirement of 40 CFR 60 Subpart JJJJ may satisfy this condition.

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 within 180 days of startup of the replacement engine.

Upper Permit Limit: 479 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 25: Capping Monitoring Condition

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Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR 201-7.1

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 231-6

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-LANDF

Emission Unit: P-00001

Regulated Contaminant(s):

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

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 oxides of nitrogen from Emission unit 1-LANDF and emission unit P-00001 are limited to 190 tons/year calculated on a rolling 12 month total and shall represent the total emissions from the following emission sources: ENG01-ENG08, FL004 and FL005 as well as any other trivial and exempt sources of NO_x. This facility is applicable to 6NYCRR Part 227-2 NO_x RACT. This cap will ensure that the facility is not subject to 6NYCRR Part 231-6 for New Source Review in a non-attainment area. To demonstrate compliance with this limit the facility shall perform the following:

The facility shall maintain records of the metered landfill gas combusted and percent methane combusted in the 3500 cfm enclosed flare (emission source FL004) and the 3000 cfm open flare (emission source FL005) on a monthly basis. At the end of the month the facility shall calculate the monthly emissions of NO_x from landfill gas combusted through the flares.

Additionally, the facility shall maintain records of metered gas and percent methane delivered to the gas to energy facility on a monthly basis. The facility shall record daily readings of the kilowatt hours (kwhr) from the switchgear and maintain a monthly total of the actual gross electrical output from each engine (emission sources ENG01-ENG08) in kilowatt-hours (kWh). At the end of the month the facility shall calculate the monthly emissions of NO_x from the landfill gas combustion at the gas to energy facility.

Flared emissions shall be calculated utilizing emission rates from the most recent performance test. If testing data is not available for the flare, emission factors provided in the permit application for the 3500 cfm enclosed flare (0.06 lb/MMBtu NO_x) and the 3000 cfm open flare (0.068 lb/MMBtu NO_x) shall be used. Emission factors shall be multiplied by the monthly quantity of landfill gas combusted in all flares.

Engine emissions shall be calculated as follows:

Monthly NO_x emissions from engine= [(actual monthly gross electrical output, in kWh) x (1.341 bhp/kW) x (engine NO_x emission factor from most recent performance test, in g/bhp-hr)] / [453.6 g/lb]

The monthly NO_x emissions from each engine will be summed to give a total for all engines operating during each

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month.

The combined engine and flare monthly NOx emissions shall be added to the previous 11 months of NOx emissions to give a total NOx emission rate over the most recent consecutive 12 month period. The NOx emissions over any consecutive 12 month period shall not exceed 190 tons.

Records of all monitoring data and support information shall be retained by the respective emission source operator. The facility shall submit a NOx emission cap certification report semi-annually.

When sufficient new evidence becomes available to substantiate changing any of the emission factors used to calculate the monthly NOx emissions, the Department will discuss utilizing the new emission factors with the applicant prior to the applicant using the revised emission factors.

The facility shall keep records in a format that is acceptable to the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: ELECTRICAL LOAD OUTPUT

Parameter Monitored: ELECTRICAL LOAD OUTPUT

Upper Permit Limit: 190 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 26: Capping Monitoring Condition
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 6 NYCRR 201-7.1

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 231-8

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.

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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, 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-LANDF

Emission Unit: P-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 26.7:

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 from Emission unit 1-LANDF and emission unit P-00001 are limited to 479 tons/year calculated on a rolling 12 month total and shall represent the total emissions from the following emission sources: ENG01-ENG08, FL004 and FL005 as well as any other trivial and exempt sources of CO. This cap will ensure that the facility is not subject to 6NYCRR Part 231-8 for New Source Review in an attainment area. To demonstrate compliance with this limit the facility shall perform the following:

The facility shall maintain records of the metered landfill gas combusted and percent methane combusted in



the 3500 cfm enclosed flare (emission source FL004) and the 3000 cfm open flare (emission source FL005) on a monthly basis. At the end of the month the facility shall calculate the monthly emissions of CO from landfill gas combusted through the flares.

Additionally, the facility shall maintain records of metered gas and percent methane delivered to the gas to energy facility on a monthly basis. The facility shall record daily readings of the kilowatt hours (kwhr) from the switchgear and maintain a monthly total of the actual gross electrical output from each engine (emission sources ENG01-ENG08) in kilowatt-hours (kWh). At the end of the month the facility shall calculate the monthly emissions of CO from the landfill gas combustion at the gas to energy facility.

Flared emissions shall be calculated utilizing emission rates from the most recent performance test. If testing data is not available for the flare, emission factors provided in the permit application for the 3500 cfm enclosed flare (0.20 lb/MMBtu CO) and the 3000 cfm open flare (0.31 lb/MMBtu CO) shall be used. Emission factors shall be multiplied by the monthly quantity of landfill gas combusted in all flares.

Engine emissions shall be calculated as follows:

Monthly CO emissions from engine= [(actual monthly gross electrical output, in kWh) x (1.341 bhp/kW) x (engine CO emission factor from most recent performance test, in g/bhp-hr)] / [453.6 g/lb]

The monthly CO emissions from each engine will be summed to give a total for all engines operating during each month.

The combined engine and flare monthly CO emissions shall be added to the previous 11 months of CO emissions to give a total CO emission rate over the most recent consecutive 12 month period. The CO emissions over any consecutive 12 month period shall not exceed 479 tons.

Records of all monitoring data and support information shall be retained by the respective emission source operator. The facility shall submit a CO emission cap certification report semi-annually.

When sufficient new evidence becomes available to substantiate changing any of the emission factors used to calculate the monthly CO emissions, the Department will

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discuss utilizing the new emission factors with the applicant prior to the applicant using the revised emission factors.

The facility shall keep records in a format that is acceptable to the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: ELECTRICAL LOAD OUTPUT

Parameter Monitored: ELECTRICAL LOAD OUTPUT

Upper Permit Limit: 479 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 27: Air pollution prohibited
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR 211.1

Item 27.1:

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 28: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to demonstrate that the landfill gas collection system is operating properly, landfill personnel shall monitor pressure at each horizontal and vertical collector on a monthly basis. If positive pressure exists, corrective action shall be taken within 5 days (exceptions

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for pressure include: i. fire or increased well temperature; ii. use of a geomembrane or synthetic cover; or iii. a decommissioned well).

If negative pressure cannot be achieved within 30 days of the initial exceedance, a proposed corrective action plan and schedule shall be submitted to the Department within 30 days of the initial exceedance. Providing the specified corrective measures are taken, an exceedance is not a violation of this condition.

The facility shall maintain records of the monthly monitoring and corrective actions on site.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 29: EPA Region 2 address.

Effective between the dates of 02/26/2016 and 02/25/2021

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: Modification Notification

Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 30.1:

Any owner or operator subject to 40 CFR Part 60 shall furnish the Administrator and this office with the following information:

- a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR Part 60. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productivity capability of the facility before and after the change, and the expected completion date of the change. The Administrator and/or this Department may request additional information regarding the change.

Condition 31: Recordkeeping requirements.
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 31.1:

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 32: Excess emissions report.
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 32.1:

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

Condition 33: Monitoring frequency waiver.
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 33.1: Notwithstanding the frequency of reporting requirements specified in paragraph (c) of this section, an owner or operator who is required by an applicable subpart to submit excess emissions and monitoring systems performance reports (and summary reports) on a quarterly (or more frequent) basis may reduce the frequency of reporting for that standard to semiannual if the conditions in 40 CFR 60.7(e) are met.

Condition 34: Facility files for subject sources.
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 34.1:

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The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspections. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 35: Notification Similar to State or Local Agency
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 35.1:

If notification substantially similar to that in 40 CFR Part 60.7(a) is required by any other State or local agency, sending the Administrator a copy of that notification will satisfy the requirements of 40 CFR Part 60.7(a).

Condition 36: Performance testing timeline.
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 60.8(a), NSPS Subpart A

Item 36.1:

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

Condition 37: Performance test methods.
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 60.8(b), NSPS Subpart A

Item 37.1:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR 60 or by alternative methods and procedures approved by the Administrator.

Condition 38: Required performance test information.
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 60.8(c), NSPS Subpart A

Item 38.1:

Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operator of the facility.

Condition 39: Prior notice.
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 60.8(d), NSPS Subpart A

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Item 39.1:

The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

Condition 40: Performance testing facilities.

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40CFR 60.8(e), NSPS Subpart A

Item 40.1:

The following performance testing facilities shall be provided during all tests:

- 1) sampling ports adequate for tests methods applicable to such facility;
- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

Condition 41: Number of required tests.

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40CFR 60.8(f), NSPS Subpart A

Item 41.1:

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

Condition 42: Availability of information.

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 42.1:

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by 40 CFR Part 2.

Condition 43: Opacity standard compliance testing.

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 43.1:

The following conditions shall be used to determine compliance with the opacity standards:

- 1) observations shall be conducted in accordance with Reference Method 9, in Appendix A of 40 CFR Part 60(or an equivalent method approved by the Administrator including continuous opacity monitors);
- 2) the opacity standards apply at all times except during periods of start up,

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shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

Condition 44: Compliance with Standards and Maintenance Requirements
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40CFR 60.11(d), NSPS Subpart A

Item 44.1:

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

Condition 45: Circumvention.
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 45.1:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 46: Modifications.
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 46.1:

Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

Condition 47: Reconstruction
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 47.1:

The following shall be submitted to the Administrator prior to reconstruction (as defined in section 60.15):

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;

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- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

**Condition 48: Subpart A provisions that apply to facilities subject to
Subpart JJJJ
Effective between the dates of 02/26/2016 and 02/25/2021**

Applicable Federal Requirement: 40CFR 60.4246, NSPS Subpart JJJJ

Item 48.1:

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 49: Standards for air emissions from MSW landfills
Effective between the dates of 02/26/2016 and 02/25/2021**

Applicable Federal Requirement: 40CFR 60.752(b)(1), NSPS Subpart

WWW

Item 49.1:

Owner or operator of a municipal solid waste (MSW) landfill having a design capacity equal to or greater than 2.5 million megagrams and 2.5 million cubic meters, shall either comply with 40 CFR Part 60.752(b)(2) or calculate a non-methane organic compound (NMOC) emission rate for the landfill using the procedures specified in 40 CFR Part 60.754. The NMOC emission rate shall be recalculated annually, except as provided in 40 CFR Part 60.757(b)(1)(ii).

1) If the calculated NMOC emission rate is less than 50 megagrams per year, the owner or operator shall:

i) Submit an annual emission report to the Administrator, except as provided for in 40 CFR Part 60.757(b)(1)(ii); and

ii) Recalculate the NMOC emission rate annually using the procedures specified in 40 CFR Part 60.754(a)(1) until such time as the calculated NMOC emission rate is equal to or greater than 50 megagrams per year. If upon recalculation the NMOC emission rate is equal to or greater than 50 megagrams per year, the owner or operator shall install a collection and control system in compliance with 40 CFR Part 60.752(b)(2).

Condition 50: Standards for air emissions from MSW landfills



Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40 CFR 60.752(b)(2), NSPS Subpart

WWW

Item 50.1:

If the calculated NMOC emission rate is equal to or greater than 50 megagrams per year, the owner or operator shall:

i) Submit a collection and control system design plan prepared by a professional engineer to the Administrator within 1 year:

A) The collection and control system as described in the plan shall meet the design requirements of paragraph (ii) below.

B) The collection and control system design plan shall include any alternatives to the operational standards, test methods, procedures, compliance measures, monitoring, recordkeeping or reporting provisions of 40 CFR Part 60.753 through 60.758 proposed by the owner or operator.

C) The collection and control system design plan shall either conform with specifications for active collection systems in 40 CFR Part 60.759 or include a demonstration to the Administrator's satisfaction of the sufficiency of the alternative provisions to 40 CFR Part 60.759.

D) The Administrator shall review the information submitted under paragraphs (i)(A), (B) and (C) above and either approve it, disapprove it, or request that additional information be submitted. Because of the many site-specific factors involved with landfill gas system design, alternative systems may be necessary. A wide variety of system designs are possible, such as vertical wells, combination horizontal and vertical collection systems, or horizontal trenches only, leachate collection components, and passive systems.

ii) Install a collection and control system that captures the gas generated within the landfill as required by paragraphs (ii)(A) or (B) and (iii) below, within 30 months after the first annual report in which the emission rate equals or exceeds 50 megagrams per year, unless Tier 2 or Tier 3 sampling demonstrates that the emission rate is less than 50 megagrams per year, as specified in 40 CFR Part 60.757(c)(1) or (2).

A) An active gas collection system shall:

1) be designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment;

2) collect gas from each area, cell or group of cells in the landfill in which the initial solid waste has been placed for a period of 5 years (if active) or 2 years (if closed or at final grade);

3) collect gas at a sufficient extraction rate; and

4) be designed to minimize off-site migration of subsurface gas.



(B) A passive collection system shall:

(1) Comply with the provisions specified in paragraphs (A)(1),(2), and (4) above.

(2) Be installed with liners on the bottom and all sides in all areas in which gas is to be collected. The liners shall be installed as required under 40 CFR Part 258.40 of this title.

iii) Route all the collected gas to a control system that complies with either of the following:

A) is an open flare designed and operated in accordance with 40 CFR 60.18; or

B) is a control system designed and operated to reduce NMOC by 98% (by weight) or, when an enclosed combustion device is used for control, to either reduce NMOC by 98% weight or reduce the NMOC outlet concentration to less than 20 parts per million by volume, dry basis as hexane at 3% oxygen. The reduction efficiency or parts per million by volume shall be established by an initial performance test to be completed no later than 180 days after the initial startup of the approved control system using the test methods specified in 40 CFR Part 60.754(d).

(1) If a boiler or process heater is used as the control device, the landfill gas stream shall be introduced into the flame zone.

(2) The control device shall be operated within the parameter ranges established during the initial or most recent performance test. The operating parameters to be monitored are specified in 40 CFR Part 60.756;

(C) Route the collected gas to a treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system shall be subject to the requirements of paragraph (iii)(A) or (B) above.

Condition 51: Calculation of Non-Methane Organic Carbon (NMOC) Emissions Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 60.754(a)(1), NSPS Subpart

WWW

Item 51.1:

The landfill owner or operator shall calculate the NMOC emission rate using the equation provided below. The values to be used in the equation are 0.05 per year for k, 170 cubic meters per megagram for Lo and 4,000 parts per million by volume as hexane for CNMOC.

i) The following equation shall be used:

$$MNMOC = S \cdot 2kLoMi(e^{-kt_i})(CNMOC)(3.6 \times 10^{-9})$$

where,

MNMOC = Total NMOC emission rate from the landfill,
megagrams per year

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solid waste

k = methane generation rate constant, year -1
 Lo = methane generation potential, cubic meters per megagram

M_i = mass of solid waste in the i th section, megagrams
 t_i = age of the i th section, years
CNMOC = concentration of NMOC, parts per million by volume as

hexane

3.6×10^{-9} = conversion factor.

The mass of the nondegradable waste may be subtracted from the total mass of solid waste in a particular section of the landfill when calculating the value for M_i if the documentation provisions of 40 CFR Part 60.758(d)(2) are followed.

Condition 52: NMOC Calculation - Tier 1
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 60.754(a)(2), NSPS Subpart WWW

Item 52.1:

The owner or operator shall compare the calculated NMOC mass emission rate to the standard of 50 megagrams per year.

1) If the NMOC mass emission rate calculated in 40 CFR Part 60.754(a)(1) is less than 50 megagrams per year, then the landfill owner shall submit a mass emission rate report as provided in 40 CFR Part 60.757(b)(1), and shall recalculate the NMOC mass emission rate annually as required under 40 CFR Part 60.752(b)(1).

2) If the calculated NMOC mass emission rate is equal to or greater than 50 megagrams per year, then the landfill owner shall either comply with 40 CFR Part 60.752(b)(2), or determine the site-specific NMOC concentration and recalculate the NMOC mass emission rate using the procedures provided in 40 CFR Part 60.754(a)(3).

Condition 53: NMOC Calculation - Tier 2
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 60.754(a)(3), NSPS Subpart WWW

Item 53.1:

The landfill owner or operator shall determine the NMOC concentration using the following sampling procedure. The landfill owner or operator shall install at least two sample probes per hectare of landfill surface that has retained waste for at least 2 years. If the landfill is larger than 25 hectares in area, only 50 samples are required. The sample probes should be located to avoid known areas of nondegradable solid waste. The owner or operator shall collect and analyze one sample of landfill gas from each probe to determine the NMOC concentration using either, Method 25 or 25C of 40 CFR Part 60 Appendix A. Method 18 of Appendix A may be used to analyze the samples collected by the Method 25 or 25C sampling procedure. Taking composite samples from different probes into a single cylinder is allowed; however, equal sample volumes must be taken from each probe. For each composite, the sampling rate, collection times, beginning and ending cylinder vacuums, or alternative volume measurements must be recorded to verify that composite volumes are equal. Composite sample volumes should



not be less than one liter unless evidence can be provided to substantiate the accuracy of smaller volumes. Terminate compositing before the cylinder approaches ambient pressure where measurement

accuracy diminishes. If using Method 18, the owner or operator must identify all compounds in the sample and, as a minimum, test for those compounds published in the most recent Compilation of Air Pollutant Emission Factors (AP-42), minus carbon monoxide, hydrogen sulfide, and mercury. As a minimum, the instrument must be calibrated for each of the compounds on the list. Convert the concentration of each Method 18 compound to CNMOC as hexane by multiplying by the ratio of its carbon atoms divided by six. If more than the required number of samples are taken, all samples must be used in the analysis. The landfill owner or operator must divide the NMOC concentration from Method 25 or 25C of Appendix A of this part by six to convert from CNMOC as carbon to CNMOC as hexane. If the landfill has an active or passive gas removal system in place, Method 25 or 25C samples may be collected from these systems instead of surface probes provided the removal system can be shown to provide sampling as representative as the two sampling probe per hectare requirement. For active collection systems, samples may be collected from the common header pipe before the gas moving or condensate removal equipment. For these systems, a minimum of three samples must be collected from the header pipe.

1) The landfill owner or operator shall recalculate the NMOC mass emission rate using the equations provided in 40 CFR Part 60.754(a)(1)(i) or (ii) and using the average NMOC concentration from the collected samples instead of the default value in the equation provided in 40 CFR Part 60.754(a)(1).

2) If the resulting mass emission rate calculated using the site-specific NMOC concentration is equal to or greater than 50 megagrams per year, then the landfill owner or operator shall either comply with 40 CFR Part 60.752(b)(2), or determine the site-specific methane gas generation rate constant and recalculate the NMOC emission rate using the site-specific methane generation rate using the procedure specified in 40 CFR Part 60.754(a)(4).

3) If the resulting NMOC mass emission rate is less than 50 megagrams per year, the owner or operator shall submit a periodic estimate of the emission rate report as provided in 40 CFR Part 60.757(b)(1) and retest the site-specific NMOC concentration every 5 years using the methods specified in this condition.

Condition 54: Reporting requirements - Initial design capacity
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 60.757(a), NSPS Subpart

WWW

Item 54.1:

Owner or operator shall submit an initial design capacity report to the Administrator.

1) The initial design capacity report shall fulfill the requirements of the notification of the date construction is commenced as required under 40 CFR Part 60.7(a)(1) and shall be submitted no later than 90 days after the date of commenced construction.

2) The initial design capacity report shall contain the following information:

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i) A map or plot of the landfill, providing the size and location of the landfill, and identifying all areas where solid waste may be landfilled according to the permit issued by NYSDEC;

ii) The maximum design capacity of the landfill. Where the maximum design capacity is specified in the permit issued by NYSDEC, a copy of the permit specifying the maximum design capacity may be submitted as part of the report. If the maximum design capacity of the landfill is not specified in the permit, the maximum design capacity shall be calculated using good engineering practices. The calculations shall be provided, along with the relevant parameters as part of the report. The State or Administrator may request other reasonable information as may be necessary to verify the maximum design capacity of the landfill.

Condition 55: Reporting requirements - NMOC emission rate
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 60.757(b), NSPS Subpart

WWW

Item 55.1:

Owner or operator shall submit an NMOC emission rate report to the Administrator initially and annually thereafter, except as provided in (1)(ii) or (3) below. The Administrator may request such additional information as may be necessary to verify the reported NMOC emission rate.

1) The NMOC emission rate report shall contain an annual or 5-year estimate of the NMOC emission rate, calculated using the formula and procedures provided in 40 CFR Part 60.754(a) or (b), as applicable.

i) The initial NMOC emission rate report may be combined with the initial design capacity report required by 40 CFR Part 60.757(a) and shall be submitted no later than 90 days after the date of commenced construction. Subsequent NMOC emission rate reports shall be submitted annually thereafter, except as provided for in (1)(ii) and (3) below.

ii) If the estimated NMOC emission rate as reported in the annual report to the Administrator is less than 50 megagrams per year in each of the next 5 consecutive years, the owner or operator may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual report. This estimate shall include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years for which an NMOC emission rate is estimated. All data and calculations upon which this estimate is based shall be provided to the Administrator. This estimate shall be revised at least once every 5 years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the 5-year estimate, a revised 5-year estimate shall be submitted to the Administrator. The revised estimate shall cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate.

2) The NMOC emission rate report shall include all data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions.

3) Owner or operator is exempted from the requirements in paragraphs (1) and (2) above, after installation of a collection and control system in compliance with 40 CFR Part 60.752(b)(2), during such time as the collection and control system is in operation and in compliance with 40 CFR Part 60.753 and Part 60.755

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Condition 56: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40 CFR 60.758(a), NSPS Subpart WWW

Item 56.1:
The Compliance Certification activity will be performed for the Facility.

Item 56.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Except as provided in 40 CFR Part 60.752(b)(2)(i)(B), each owner or operator of an MSW landfill subject to the provisions of 40 CFR Part 60.752(b) shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity report which triggered 40 CFR Part 60.752(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 57: Asbestos-containing waste material standard for active waste disposal sites
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40 CFR 61.154, NESHAP Subpart M

Item 57.1:
Owner or operator shall comply with the requirements of 40 CFR Part 61.154 when accepting asbestos-containing waste material from any source required to comply with 40 CFR Part 61.149, 61.150, or 61.155.

Condition 58: General provisions
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40 CFR 63.6665, Subpart ZZZZ

Item 58.1:
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

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all General Provisions contained in Table 8.

**** Emission Unit Level ****

Condition 59: **Emission Point Definition By Emission Unit**
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 59.1:

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

Emission Unit: 1-LANDF

Emission Point: 00011			
Height (ft.): 18	Diameter (in.): 1440		
NYTMN (km.): 4771.5	NYTME (km.): 261.02	Building: LANDFILL	
Emission Point: 00012			
Height (ft.): 18	Diameter (in.): 1440		
NYTMN (km.): 4771.5	NYTME (km.): 261.02	Building: LANDFILL	
Emission Point: 00015			
Height (ft.): 50	Diameter (in.): 132		
NYTMN (km.): 4771.5	NYTME (km.): 261.02	Building: LANDFILL	
Emission Point: 00028			
Height (ft.): 33	Diameter (in.): 14		
NYTMN (km.): 4771.5	NYTME (km.): 261.02	Building: LANDFILL	

Item 59.2:

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

Emission Unit: P-00001

Emission Point: 00016			
Height (ft.): 29	Diameter (in.): 10		
NYTMN (km.): 4771.5	NYTME (km.): 261.02	Building: GASPLANT	
Emission Point: 00017			
Height (ft.): 29	Diameter (in.): 10		
NYTMN (km.): 4771.5	NYTME (km.): 261.02	Building: GASPLANT	
Emission Point: 00018			
Height (ft.): 29	Diameter (in.): 10		
NYTMN (km.): 4771.5	NYTME (km.): 261.02	Building: GASPLANT	
Emission Point: 00019			
Height (ft.): 29	Diameter (in.): 10		
NYTMN (km.): 4771.5	NYTME (km.): 261.02	Building: GASPLANT	

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Emission Point: 00020
Height (ft.): 29 Diameter (in.): 10
NYTMN (km.): 4771.5 NYTME (km.): 261.02 Building: GASPLANT

Emission Point: 00021
Height (ft.): 29 Diameter (in.): 10
NYTMN (km.): 4771.5 NYTME (km.): 261.02 Building: GASPLANT

Emission Point: 00022
Height (ft.): 29 Diameter (in.): 10
NYTMN (km.): 4771.5 NYTME (km.): 261.02 Building: GASPLANT

Emission Point: 00023
Height (ft.): 29 Diameter (in.): 10
NYTMN (km.): 4771.5 NYTME (km.): 261.02 Building: GASPLANT

Emission Point: 00030
Height (ft.): Length (in.): Width (in.):
NYTMN (km.): 4771.5 NYTME (km.): 261.02

Item 59.3:

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

Emission Unit: P-00002

Emission Point: 00024
Height (ft.): 138 Diameter (in.): 15
NYTMN (km.): 4771.5 NYTME (km.): 261.02 Building: PLANT2

Emission Point: 00025
Height (ft.): 138 Diameter (in.): 15
NYTMN (km.): 4771.5 NYTME (km.): 261.02 Building: PLANT2

Condition 60: Process Definition By Emission Unit

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 60.1:

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

Emission Unit: 1-LANDF
Process: 001 Source Classification Code: 5-01-004-02
Process Description:
Process 001 represents the fugitive landfill gas emissions.

Emission Source/Control: LF001 - Process
Design Capacity: 16,250,000 cubic yards

Item 60.2:

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

Emission Unit: 1-LANDF

Process: 002

Source Classification Code: 5-01-004-10

Process Description:

Landfill gas is combusted in several devices at the Mill Seat Landfill. Gas is collected and conveyed to a 3000-cfm open flare (designated as FL005) and a 3500-cfm enclosed flare (designated as FL004).

Emission Source/Control: FL004 - Control

Control Type: FLARING

Emission Source/Control: FL005 - Control

Control Type: FLARING

Emission Source/Control: LF001 - Process

Design Capacity: 16,250,000 cubic yards

Item 60.3:

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

Emission Unit: 1-LANDF

Process: 003

Source Classification Code: 5-01-004-02

Process Description:

Process 003 consists of fugitive emissions from two (2) 1.5 million gallon leachate storage tanks.

Emission Source/Control: LT001 - Process

Design Capacity: 1.5 million gallons

Item 60.4:

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

Emission Unit: P-00001

Process: 100

Source Classification Code: 2-01-008-02

Process Description:

Collected landfill gas will be routed to the landfill gas-to-energy plant. The eight (8) engine generator sets will combust the collected landfill gas to generate electricity for sale. Prior to combustion, the landfill gas is treated via compression, dewatering, and filtration. Landfill gas is combusted in the engines to produce electricity for sale on the open market.

Emission Source/Control: ENG01 - Combustion

Design Capacity: 1,148 horsepower (electric)

Emission Source/Control: ENG02 - Combustion

Design Capacity: 1,148 horsepower (electric)

Emission Source/Control: ENG03 - Combustion

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Design Capacity: 1,148 horsepower (electric)

Emission Source/Control: ENG04 - Combustion

Design Capacity: 1,148 horsepower (electric)

Emission Source/Control: ENG05 - Combustion

Design Capacity: 1,148 horsepower (electric)

Emission Source/Control: ENG06 - Combustion

Design Capacity: 1,148 horsepower (electric)

Emission Source/Control: ENG07 - Combustion

Design Capacity: 1,148 horsepower (electric)

Emission Source/Control: ENG08 - Combustion

Design Capacity: 1,148 horsepower (electric)

Item 60.5:

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

Emission Unit: P-00001

Process: 200

Source Classification Code: 2-01-008-02

Process Description:

The landfill gas-to-energy plant will have an insignificant emission point called a "crankcase breather vent." Each engine has a crankcase for engine oil. The purpose of the crankcase breather vent is to remove water vapor from the crankcase in order to prevent water from collecting in the oil pan. The water vapor may contain an oil mist. The breather vent in each engine removes the vapors generated within the crankcase and ducts them to a single common emission point called the crankcase breather vent. The mist can be reported as PM. Other insignificant activities include emissions from oil tanks, a condensate tank, landfill gas treatment system and a gas chromatograph vent. Calculations for all of these activities are provided in the application.

Emission Source/Control: ENG01 - Combustion

Design Capacity: 1,148 horsepower (electric)

Emission Source/Control: ENG02 - Combustion

Design Capacity: 1,148 horsepower (electric)

Emission Source/Control: ENG03 - Combustion

Design Capacity: 1,148 horsepower (electric)

Emission Source/Control: ENG04 - Combustion

Design Capacity: 1,148 horsepower (electric)

Emission Source/Control: ENG05 - Combustion

Design Capacity: 1,148 horsepower (electric)

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Emission Source/Control: ENG06 - Combustion
Design Capacity: 1,148 horsepower (electric)

Emission Source/Control: ENG07 - Combustion
Design Capacity: 1,148 horsepower (electric)

Emission Source/Control: ENG08 - Combustion
Design Capacity: 1,148 horsepower (electric)

Item 60.6:

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

Emission Unit: P-00001

Process: GEN

Source Classification Code: 2-01-002-02

Process Description:

Process GEN represents emissions from the Cummins 600 HP emergency generator. The generator does not operate above the exempt limit of 500 hours per year. However, this unit has been placed within the Emission Unit (P-00001) due to 40 CFR 63 Subpart ZZZZ applicability.

Emission Source/Control: EMGEN - Combustion
Design Capacity: 600 horsepower (mechanical)

Item 60.7:

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

Emission Unit: P-00002

Process: 101

Source Classification Code: 2-01-008-02

Process Description:

Collected landfill gas is routed to two Caterpillar 3520 IC engines located in Renewable Energy Plant #2. Prior to combustion, the landfill gas is treated via compression, dewatering, and filtration. Landfill gas is combusted in the engines to produce electricity for sale on the open market.

Emission Source/Control: ENG09 - Combustion
Design Capacity: 1,600 kilowatts

Emission Source/Control: ENG10 - Combustion
Design Capacity: 1,600 kilowatts

Item 60.8:

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

Emission Unit: P-00002

Process: 201

Source Classification Code: 2-01-008-02

Process Description:

Renewable Energy Plant #2 has insignificant emission points called "crankcase breather vents." Each engine has

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a crankcase for engine oil. The purpose of the crankcase breather vent is to remove water vapor from the crankcase in order to prevent water from collecting in the oil pan. The water vapor may contain an oil mist. The breather vent in each engine removes the vapors generated within the crankcase and ducts them to a common emissions point called the crankcase breather vent. Air from the vent is passed through a mist elimination system prior to venting outside the building. The mist can be reported as PM. Other insignificant activities include emissions from oil tanks, a condensate tank, landfill gas treatment system and a gas chromatograph vent.

Emission Source/Control: ENG09 - Combustion
Design Capacity: 1,600 kilowatts

Emission Source/Control: ENG10 - Combustion
Design Capacity: 1,600 kilowatts

Condition 61: Emission Unit Permissible Emissions
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 61.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: 1-LANDF

CAS No: 000630-08-0
Name: CARBON MONOXIDE
PTE(s): 958,000 pounds per year

Emission Unit: P-00001

CAS No: 000630-08-0
Name: CARBON MONOXIDE
PTE(s): 958,000 pounds per year

Condition 62: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR 200.6

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LANDF
Process: 002

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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:

The facility performed a significant impact level analysis which included the 3500 cfm enclosed flare (FL004) in emission unit 1-LANDF. In order to comply with the emission rate that was modeled, the facility must demonstrate that flare FL004 is meeting the 0.06 lb/mmBtu of Oxides of Nitrogen limit. This testing will be performed once per permit term.

Upper Permit Limit: 0.06 pounds per million Btus

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 63: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 6 NYCRR 200.6

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LANDF

Process: 002

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility performed a significant impact level analysis which included the 3500 cfm enclosed flare (FL004) in emission unit 1-LANDF. In order to comply with the emission rate that was modeled, the facility must demonstrate that flare FL004 is meeting the 0.2 lb/mmBTU of Carbon Monoxide limit. This testing will be performed once per permit term.

Upper Permit Limit: 0.2 pounds per million Btus

Reference Test Method: 40CFR60 APP A-10

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 64: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LANDF

Process: 002

Item 64.2:

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% 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 of each flare on a daily basis during business days (this excludes holidays and weekends). If any opacity is noted, corrective action will be taken immediately or a Method 9 will be performed within 2 business days. The facility shall keep records of daily observations and any corrective action performed in a format acceptable to the Department.

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 7/30/2016.

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

Condition 65: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ

Item 65.1:

The Compliance Certification activity will be performed for:

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Emission Unit: P-00001

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following two engines located in Plant 1 are considered "new" stationary RICE under §63.6590(a)(2)(iii) because the order date of the engines was after June 12, 2006. In accordance with §63.6590(c)(1), new RICE at an area source must comply with 40CFR60 Subpart JJJJ. However, as per §60.4230(a)(4)(ii), the engines are not subject to Subpart JJJJ because they were manufactured prior to January 1, 2008. As such, these engines currently do not have to meet any NSPS or NESHAP engine rules. The EPA may address requirements for these engines through future rulemaking.

This requirement is applicable to the following two non certified engines:

Engine #	Serial #	Max Power	Const. Date
		Manuf. Date	
7	ZBA00830	825 kW	11/30/2007
			11/14/2007
8	ZBA00817	825 kW	11/23/2007
			11/08/2007

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 66: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

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Applicable Federal Requirement:40CFR 60.4233(e), NSPS Subpart JJJJ

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards listed below for their stationary SI ICE.

In addition, an initial performance test must be performed within 1 year of the engines initial startup and then conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

Upper Permit Limit: 5.0 grams per brake horsepower-hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 67: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40CFR 60.4233(e), NSPS Subpart JJJJ

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Regulated Contaminant(s):

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

Item 67.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards listed below for their stationary SI ICE.

In addition, an initial performance test must be performed within 1 year of the engines initial startup and then conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

Upper Permit Limit: 2.0 grams per brake horsepower-hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 68: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 60.4233(e), NSPS Subpart JJJJ

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards listed below for their stationary SI ICE.

In addition, an initial performance test must be performed within 1 year of the engines initial startup and then conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

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Upper Permit Limit: 1.0 grams per brake horsepower-hour
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 69: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

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

JJJJ

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 0NY998-00-0	VOC
CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 69.2:

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

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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 7/30/2016.

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

Condition 70: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

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

JJJJ

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary SI internal combustion engine greater than 500 HP must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the owner or operator must conduct an initial performance

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test and subsequent performance testing every 8,760 hours
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 7/30/2016.

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

Condition 71: Test methods and procedures
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40CFR 60.4244, NSPS Subpart JJJJ

Item 71.1:

This Condition applies to Emission Unit: P-00001

Item 71.2:

Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of 40 CFR 60.4244, including :

- Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 to this subpart.
- The performance tests shall not be conducted during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If the stationary SI internal combustion engine is non-operational, the facility does not need to startup the engine solely to conduct a performance test, but must conduct the performance test immediately upon startup of the engine.
- The facility conduct three separate test runs for each performance test required in this section, as specified in §60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour.

Condition 72: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Item 72.2:

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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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 73: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of stationary SI ICE greater than or equal to 500 HP that have not been certified by an engine manufacturer to meet the emission standards in §60.4231 must submit an initial notification as required in

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§60.7(a)(1). The notification must include the following:

- (1) Name and address of the owner or operator;
- (2) The address of the affected source;
- (3) Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement;
- (4) Emission control equipment; and
- (5) Fuel used.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 74: Performance test requirements
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 74.1:

This Condition applies to Emission Unit: P-00001

Item 74.2: Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in §60.4244 within 60 days after the test has been completed.

Condition 75: Stationary RICE subject to regulations under 40 CFR Part 60

Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 75.1:

This Condition applies to Emission Unit: P-00001

Item 75.2:

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,

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- 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 76: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No later than October 19, 2013,
compliance with the following maintenance
procedures must be completed:

- (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;

This requirement is applicable to the
following SIX landfill gas
engines:

Engine#	Serial#	Max Power	Const.
Date	Manf. Date		
1			
ZBA00403	825 kW		
	05/26/2006		
	05/10/2006		
2			
ZBA00378	825 kW		

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04/24/2006
04/07/2006
3
ZBA00380 825 kW
04/21/2006
04/07/2006
4
ZBA00400 825 kW
05/26/2006
05/10/2006
5
ZBA00402 825 kW
05/30/2006
05/10/2006
6
ZBA00397 825 kW
06/01/2006
05/09/2006

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 77: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 63.6625, Subpart ZZZZ

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following monitoring, installation, collection, operation, and maintenance requirements are required:

(1) Operate and maintain the stationary RICE and after treatment control device (if any) according to the manufacturer's emission related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation

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of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

(2) Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

(3) Utilize an oil analysis program in order to extend the specified oil change requirement in 40 CFR 63.6602, if desired. The oil analysis must be performed at the same frequency specified for changing the oil. The analysis program must, at a minimum, analyze the following three parameters: Total Acid Number or Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows:

(a) 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 or Total Base Number is less than 30 percent of the Total Base Number of the oil when new;

(b) Viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or

(c) Percent water content (by volume) is greater than 0.5.

(4) If all of the 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.

(5) This requirement is applicable to the following seven engines:

Engine#	Serial#	Max
Power	Const. Date	Manf. Date
1.	ZBA00403	825
kW	5/26/2006	5/10/2006
2.	ZBA00378	825

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kW		4/24/2006	4/7/2006
3.	ZBA00380		825
kW		4/21/2006	4/7/2006
4.	ZBA00400		825
kW		5/26/2006	5/10/2006
5.	ZBA00402		825
kW		5/30/2006	5/10/2006
6.	ZBA00397		825
kW		6/1/2006	5/9/2006

One 600 HP Cummins emergency generator

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 78: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 63.6655, Subpart ZZZZ

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following records shall be maintained:

- (1) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
- (2) Records of all required maintenance performed on the air pollution control and monitoring equipment.
- (3) Records of the maintenance conducted on each RICE in order to demonstrate that you operated and maintained the stationary RICE and after treatment control device (if any) according to the manufacturer's emission related written instructions or your own maintenance plan;
- (4) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore

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malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(5) Maintain records in readily accessible hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report or record.

(6) If you are operating a new or reconstructed stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, you must keep the records of your daily fuel usage monitors.

(7) If you own or operate any of the stationary RICE in paragraphs (i) or (ii) of this section, you must keep records of the hours of operation of the engine that is recorded through the non resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non emergency operation. If the engine is used for the purposes specified in §63.6640(f)(2)(ii) or (iii) or §63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

(i) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non emergency engines.

(ii) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non emergency engines.

(8) This requirement is applicable to the following seven engines:

Manf. Date	Engine #	Serial#	Max Power	Const. Date
	1.	ZBA00403	825 kW	
5/26/2006	2.	ZBA00378	825 kW	5/10/2006
4/24/2006	3.	ZBA00380	825 kW	4/07/2006
4/21/2006				4/07/2006

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4.	ZBA00400	825 kW
5/26/2006	5/10/2006	
5.	ZBA00402	825 kW
5/30/2006	5/10/2006	
6.	ZBA00397	825 kW
6/1/2006	5/09/2006	

One 600 HP Cummins emergency generator

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 79: Capping Monitoring Condition
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 6 NYCRR 201-7.1

Item 79.1:

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 231-8

Item 79.2:

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

Item 79.3:

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 79.4:

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 79.5:

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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 79.6:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Process: 100

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 79.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to show compliance with the 479 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 IC internal combustion (IC) engines (emission sources ENG01-ENG08):

1. CO emissions shall be measured monthly, at a stack location acceptable to the Department, while the engine is operating at +/- 10% of the load recorded during the most recent performance test (or other load approved by the Department) 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 emission rate of the engines. A threshold for CO(ppm) will be established based on the permitted emission factor of the engines and the measured exhaust stack conditions from the

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most recent performance test. The current threshold as demonstrated in the permit application are the highest values based on maximum output and continuous operation of the engines, which is 663 ppm CO for engines ENG01 through ENG08. This is the allowable concentration at 7.8% oxygen.

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 business 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: 663 parts per million (by volume)
Reference Test Method: See Monitoring Description
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 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 80: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 80.1:
The Compliance Certification activity will be performed for:

Emission Unit: P-00001
Process: 100

Item 80.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

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DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20% 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 of each exhaust and crankcase vent on a daily basis during business days (this excludes holidays and weekends). If any opacity is noted, corrective action will be taken immediately or a Method 9 will be performed within 2 business days. The facility shall keep records of daily observations and any corrective action performed in a format acceptable to the Department.

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 7/30/2016.

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

Condition 81: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Process: 100

Regulated Contaminant(s):

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

Item 81.2:

Compliance Certification 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 8-CAT 3516 internal combustion (IC) engines (emission sources



ENG01-ENG08):

1. NO_x emissions shall be measured monthly, at a stack location acceptable to the Department, while the engine is operating at $\pm 10\%$ of the load recorded during the most recent performance test (or other load approved by the Department) 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 and the measured exhaust stack conditions from the most recent performance test. The current threshold as demonstrated in the permit application are the highest values based on maximum output and continuous operation of the engines, which is 214 ppm NO_x for engines ENG01 through ENG06 (which corresponds to 1.44 g/bHp-hr for ENG01-ENG06) and 223 ppm NO_x for engines ENG07 and ENG08 (which corresponds to 1.50 g/bHp-hr for ENG7 and ENG08). This is the allowable concentration at 7.8% oxygen.

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 business 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 2.0 grams per brake horsepower-hour NO_x RACT standard.

If the corrective actions are taken as specified in this

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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.

This condition addresses the limit of 223 ppm NO_x for Engines ENG07 and ENG08.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 223 parts per million (by volume)

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 7/30/2016.

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

Condition 82: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Process: 100

Regulated Contaminant(s):

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

Item 82.2:

Compliance Certification 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 8-CAT 3516 internal combustion (IC) engines (emission sources ENG01-ENG08):

1. NO_x emissions shall be measured monthly, at a stack location acceptable to the Department, while the engine is operating at \pm 10% of the load recorded during the most recent performance test (or other load approved by the



Department) 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 and the measured exhaust stack conditions from the most recent performance test. The current threshold as demonstrated in the permit application are the highest values based on maximum output and continuous operation of the engines, which is 214 ppm NO_x for engines ENG01 through ENG06 (which corresponds to 1.44 g/bHp-hr for ENG01-ENG06) and 223 ppm NO_x for engines ENG07 and ENG08 (which corresponds to 1.50 g/bHp-hr for ENG7 and ENG08). This is the allowable concentration at 7.8% oxygen.

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 business 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 2.0 grams per brake horsepower-hour NO_x RACT standard.

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.

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This condition addresses the limit of 214 ppm NO_x for Engines ENG01 through ENG06.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 214 parts per million (by volume)

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 7/30/2016.

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

Condition 83: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Process: 100

Regulated Contaminant(s):

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

Item 83.2:

Compliance Certification shall include the following monitoring:

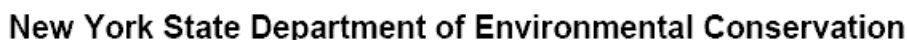
Monitoring Type: INTERMITTENT EMISSION TESTING

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



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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 which have a cut-off date of January 1, 2008). For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

The provisions of 40 CFR 60 Subpart JJJJ apply to any stationary SI ICE that are installed or imported after July 1, 2009, for engines with a maximum engine power greater than or equal to 1,350 HP (regardless of build date). The provisions of 40 CFR 60 Subpart JJJJ apply to any stationary SI ICE that are installed or imported after January 1, 2010, for engines with a maximum engine power greater than or equal to 500 HP, but less than 1,350 HP (regardless of build date).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 85: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

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

Subpart WWW

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Process: 100

Item 85.2:

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

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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. Waste Management has installed the following treatment system:

Filtration: At a minimum, the system will filter landfill gas using a dry filter or similar device (e.g., impaction, interception or diffusion device). The filter shall reduce particulate matter in the gas stream to a size of at least 10 microns.

Dewatering: Landfill gas is de-watered by cooling the superheated gas from the blower in the cooler. Landfill gas is cooled in the cooler, lowering the gas temperature to below the dew point and causing the water in the gas to condense. The condensed water is then trapped in the filters after the cooler. The cooled gas is then reheated prior to entering the gas plant. The system will de-water landfill gas using chillers, air-to-air coolers, dehumidification devices or other dehydration equipment as approved by the Department.

Compression: Landfill gas is extracted from the landfill under vacuum and compressed in a rotary blower. The gas is compressed in the blower such that it is approximately 5 to 7 psi coming out of the blower. The system will compress landfill gas using gas blowers or similar devices approved by the Department.

WMNY shall operate the treatment system at all times according to manufacturer's specifications when gas is routed for subsequent sale or use. WMNY submitted an acceptable monitoring plan to the Department for the treatment system. The plan describes the monitoring for the filtering, dewatering and compression of the landfill gas to assure that the treatment system operates as designed. This monitoring plan shall be followed at all times during operation of the treatment system.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 86: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Process: GEN

Item 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No later than May 3, 2013, compliance with the following maintenance procedures must be completed for the 600 HP Cummins emergency generator as follows:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary;
- (4) You must install a non resettable hour meter if one is not already installed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 87: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40CFR 63.6604, Subpart ZZZZ

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Process: GEN

Emission Source: EMGEN

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Beginning January 1, 2015, if you own or operate an

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existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in §63.6640(f)(4)(ii), you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for non road diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

This requirement is applicable to the following engine:

One 600 HP Cummins emergency generator

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 88: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 6 NYCRR 200.6

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00002

Regulated Contaminant(s):

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

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility performed a significant impact level analysis which included the two CAT 3520 IC engines in emission unit P-00002. In order to comply with the emission rates that were modeled, the facility must demonstrate that the engines are meeting the 2.46 lb/hr of Oxides of Nitrogen per engine. This testing will be performed in conjunction with the required 40 CFR 60 Subpart JJJJ testing that is required elsewhere in this permit.

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Upper Permit Limit: 2.46 pounds per 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 89: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 6 NYCRR 200.6

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00002

Regulated Contaminant(s):

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

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility performed a significant impact level analysis which included the two CAT 3520 IC engines in emission unit P-00002. In order to comply with the emission rates that were modeled, the facility must demonstrate that the engines are meeting the 2.46 lb/hr of Oxides of Nitrogen (NO_x) per engine. The facility is required to perform the following periodic monitoring for NO_x emissions in the exhaust stacks of the 2-CAT 3520 IC internal combustion (IC) engines (emission sources ENG09-ENG10):

1. NO_x emissions shall be measured monthly, at a stack location acceptable to the Department, while the engine is operating at $\pm 10\%$ of the load recorded during the most recent performance test (or other load approved by the Department) 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.

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

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

6. The calculated average will be the NOx measurement for that month and must not exceed the permitted emission rate of the engines. A threshold for NOx(ppm) will be established based on the permitted emission factor of the engines 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 business days after detection, and shall retake the NOx 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 2.46 lb/hr limit.

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: 2.46 pounds per hour

Reference Test Method: See Monitoring Description

Monitoring Frequency: MONTHLY

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 90: Capping Monitoring Condition

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 6 NYCRR 201-7.1

Item 90.1:

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

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the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-6

Item 90.2:

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

Item 90.3:

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 90.4:

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 90.5:

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 90.6:

The Compliance Certification activity will be performed for:

Emission Unit: P-00002

Regulated Contaminant(s):

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

Item 90.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

In order to show compliance with the significant impact level analysis, the sum of emissions of oxides of nitrogen from Emission unit P-00002 are limited to less than 21.6 tons/year calculated on a rolling 12 month total and shall represent the total emissions from the following emission sources: ENG09-ENG10 as well as any other trivial and exempt sources of NOx in this emission unit. This facility is applicable to 6NYCRR Part 227-2 NOx RACT.

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This cap will ensure that the facility is not subject to 6NYCRR Part 231-6 for New Source Review in a non-attainment area and therefore will not be applicable to LAER or require offsets for Emission Unit P-00002. To demonstrate compliance with this limit the facility shall perform the following:

The facility shall maintain records of metered gas and percent methane delivered to the gas to energy facility (Emission Unit P-00002) on a monthly basis. The facility shall record daily readings of the kilowatt hours (kwhr) from the switchgear and maintain a monthly total of the actual gross electrical output from each engine (emission sources ENG09-ENG10) in kilowatt-hours (kWh). At the end of the month the facility shall calculate the monthly emissions of NO_x from the landfill gas combustion at this gas to energy facility.

Engine emissions shall be calculated as follows:

Monthly NO_x emissions from engine= [(actual monthly gross electrical output, in kWh) x (1.341 bhp/kW) x (engine NO_x emission factor from most recent performance test, in g/bhp-hr)] / [453.6 g/lb]

The monthly NO_x emissions from each engine will be summed to give a total for all engines operating during each month.

The combined engine monthly NO_x emissions shall be added to the previous 11 months of NO_x emissions to give a total NO_x emission rate over the most recent consecutive 12 month period. The NO_x emissions over any consecutive 12 month period shall not exceed 21.6 tons.

Records of all monitoring data and support information shall be retained by the respective emission source operator. The facility shall submit a NO_x emission cap certification report semi-annually.

When sufficient new evidence becomes available to substantiate changing any of the emission factors used to calculate the monthly NO_x emissions, the Department will discuss utilizing the new emission factors with the applicant prior to the applicant using the revised emission factors.

The facility shall keep records in a format that is acceptable to the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

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Process Material: ELECTRICAL LOAD OUTPUT
Parameter Monitored: ELECTRICAL LOAD OUTPUT
Upper Permit Limit: 21.6 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 91: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 6 NYCRR Subpart 231-8

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00002

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

Item 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The Department has determined that BACT for carbon monoxide for the CAT 3520 IC engines in Emission Unit P-00002 is Good Combustion Control Practices/Technologies for Internal Combustion Engines.

The facility performed a significant impact level analysis which included the two CAT 3520 IC engines in emission unit P-00002. In order to comply with the emission rates that were modeled, the facility must demonstrate that the engines are meeting the 17.2 lb/hr of Carbon Monoxide per engine. This testing will be performed in conjunction with the required 40 CFR 60 Subpart JJJJ testing that is required elsewhere in this permit.

Upper Permit Limit: 17.2 pounds per hour
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 92: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021



Applicable Federal Requirement:6 NYCRR Subpart 231-8

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00002

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 92.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The Department has determined that BACT for carbon monoxide for the CAT 3520 IC engines in Emission Unit P-00002 is Good Combustion Control Practices/ Technologies for Internal Combustion Engines.

The facility performed a significant impact level analysis which included the two CAT 3520 IC engines in emission unit P-00002. In order to comply with the emission rates that were modeled, the facility must demonstrate that the engines are meeting the 17.2 lb/hr of Carbon Monoxide per engine. The facility is required to perform the following periodic monitoring for carbon monoxide (CO) emissions in the exhaust stacks of the 2-CAT 3520 IC internal combustion (IC) engines (emission sources ENG09-ENG10):

1. CO emissions shall be measured monthly, at a stack location acceptable to the Department, while the engine is operating at +/- 10% of the load recorded during the most recent performance test (or other load approved by the Department) 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.

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6. The calculated average will be the CO measurement for that month and must not exceed the permitted emission rate of the engines. A threshold for CO(ppm) will be established based on the permitted emission factor of the engines 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 business 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 17.2 lb/hr 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: 17.2 pounds per hour
Reference Test Method: See Monitoring Description
Monitoring Frequency: MONTHLY
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 93: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

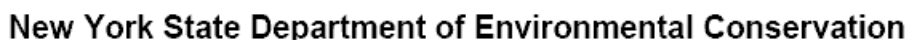
Applicable Federal Requirement: 40CFR 60, NSPS Subpart JJJJ

Item 93.1:
The Compliance Certification activity will be performed for:

Emission Unit: P-00002

Item 93.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



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The following TWO engines located in Plant 2 are considered "new" stationary RICE under §63.6590(a)(2)(iii) because the order date of the engines was after June 12, 2006 and the engines were manufactured after July 1, 2007. In accordance with §63.6590(c)(1), new RICE at an area source must comply with 40CFR60 Subpart JJJJ.

Engine#	Max Power
Constr. Date	
Manuf. Date	

1	1,600
kW	TBD
	TBD
2	1,600
kW	TBD
	TBD

where TBD means To Be Determined.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 94: Applicability of facilities subject to Subpart JJJJ
Effective between the dates of 02/26/2016 and 02/25/2021

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

This Condition applies to Emission Unit: P-00002

Item 94.2: 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

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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 95: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 60.4233(e), NSPS Subpart JJJJ

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00002

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

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards listed below for their stationary SI ICE.

In addition, an initial performance test must be performed within 1 year of the engines initial startup and then conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

Upper Permit Limit: 5.0 grams per brake horsepower-hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 96: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 60.4233(e), NSPS Subpart JJJJ

Item 96.1:

The Compliance Certification activity will be performed for:

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Emission Unit: P-00002

Regulated Contaminant(s):

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

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards listed below for their stationary SI ICE.

In addition, an initial performance test must be performed within 1 year of the engines initial startup and then conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

Upper Permit Limit: 2.0 grams per brake horsepower-hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 97: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement: 40CFR 60.4233(e), NSPS Subpart JJJJ

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00002

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must

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comply with the emission standards listed below for their stationary SI ICE.

In addition, an initial performance test must be performed within 1 year of the engines initial startup and then conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

Upper Permit Limit: 1.0 grams per brake horsepower-hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 98: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

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

JJJJ

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00002

Regulated Contaminant(s):

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

Item 98.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in §60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in §60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance. In addition, you must meet one of the requirements specified below:

If you operate and maintain the certified stationary SI

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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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 99: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

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

JJJJ

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00002

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary SI internal combustion engine greater than 500 HP must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the owner or operator must conduct an initial performance test and subsequent performance testing every 8,760 hours 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 7/30/2016.

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

Condition 100: Test methods and procedures

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable Federal Requirement:40CFR 60.4244, NSPS Subpart JJJJ

Item 100.1:

This Condition applies to Emission Unit: P-00002

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Item 100.2:

Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of 40 CFR 60.4244, including :

- Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 to this subpart.
- The performance tests shall not be conducted during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If the stationary SI internal combustion engine is non-operational, the facility does not need to startup the engine solely to conduct a performance test, but must conduct the performance test immediately upon startup of the engine.
- The facility conduct three separate test runs for each performance test required in this section, as specified in §60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour.

Condition 101: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 101.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00002

Item 101.2:

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

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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 7/30/2016.

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

Condition 102: Compliance Certification
Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00002

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of stationary SI ICE greater than or equal to 500 HP that have not been certified by an engine manufacturer to meet the emission standards in §60.4231 must submit an initial notification as required in §60.7(a)(1). The notification must include the following:

- (1) Name and address of the owner or operator;
- (2) The address of the affected source;
- (3) Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement;
- (4) Emission control equipment; and
- (5) Fuel used.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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Condition 103: Performance test requirements

Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 103.1:

This Condition applies to Emission Unit: P-00002

Item 103.2: Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in §60.4244 within 60 days after the test has been completed.

Condition 104: Stationary RICE subject to regulations under 40 CFR Part

60

Effective between the dates of 02/26/2016 and 02/25/2021

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

Item 104.1:

This Condition applies to Emission Unit: P-00002

Item 104.2:

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 105: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

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

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Item 105.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00002

Process: 101

Item 105.2:

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% 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 of each exhaust and crankcase vent on a daily basis during business days (this excludes holidays and weekends). If any opacity is noted, corrective action will be taken immediately or a Method 9 will be performed within 2 business days. The facility shall keep records of daily observations and any corrective action performed in a format acceptable to the Department.

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 7/30/2016.

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

Condition 106: Compliance Certification

Effective between the dates of 02/26/2016 and 02/25/2021

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

Subpart WWW

Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-00002

Process: 101

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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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 facility has installed the following treatment system at Emission Unit P-00002:

Filtration: At a minimum, the system will filter landfill gas using a dry filter or similar device (e.g., impaction, interception or diffusion device). The filter shall reduce particulate matter in the gas stream to a size of at least 10 microns.

Dewatering: Landfill gas is de-watered by cooling the superheated gas from the blower in the cooler. Landfill gas is cooled in the cooler, lowering the gas temperature to below the dew point and causing the water in the gas to condense. The condensed water is then trapped in the filters after the cooler. The cooled gas is then reheated prior to entering the gas plant. The system will de-water landfill gas using chillers, air-to-air coolers, dehumidification devices or other dehydration equipment as approved by the Department.

Compression: Landfill gas is extracted from the landfill under vacuum and compressed in a rotary blower. The gas is compressed in the blower such that it is approximately 5 to 7 psi coming out of the blower. The system will compress landfill gas using gas blowers or similar devices approved by the Department.

The facility shall operate the treatment system in Emission Unit P-00002 at all times according to manufacturer's specifications when gas is routed for subsequent sale or use. The facility submitted an acceptable monitoring plan to the Department for the treatment system. The plan describes the monitoring for the filtering, dewatering and compression of the landfill gas to assure that the treatment system operates as designed. This monitoring plan shall be followed at all times during operation of the treatment system.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.



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



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 107: Contaminant List

Effective between the dates of 02/26/2016 and 02/25/2021

Applicable State Requirement:ECL 19-0301

Item 107.1:

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

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

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

Condition 108: Malfunctions and start-up/shutdown activities
Effective between the dates of 02/26/2016 and 02/25/2021

Applicable State Requirement: 6 NYCRR 201-1.4

Item 108.1:

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, 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 department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

