**PERMIT**
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility
Permit ID: 9-1462-00001/00013
Effective Date: 01/13/2015 Expiration Date: 01/12/2020

Permit Issued To:WASTE MANAGEMENT OF NEW YORK LLC
1001 FANNIN STE 4000
HOUSTON, TX 77002

Contact: THOMAS LEWIS
WASTE MANAGMENT OF NY LLC - CHAFFEE
10860 OLEAN RD
CHAFFEE, NY 14030-9799
(716) 496-5192

Facility: CHAFFEE LANDFILL
10860 OLEAN RD
CHAFFEE, NY 14030-9799

Contact: THOMAS LEWIS
WASTE MANAGMENT OF NY LLC - CHAFFEE
10860 OLEAN RD
CHAFFEE, NY 14030-9799
(716) 496-5192

Description:
(1)Waste Management of New York, LLC (WMNY) operates a municipal solid waste (MSW) landfill located in Chaffee, New York. This permit action includes the second Title V Renewal Permit for the facility.

(2)The total design capacity of the landfill is equal to 19,496,520 cubic yards (cy). The total capacity includes the Existing Landfill (LNDFL) of 9,144,000 cy, the Western Expansion (LNDF2) of 8,312,922 cy and the Valley Fill Expansion (LNDF3) of 2,039,598 cy.

(3)Landfill air emissions are controlled by internal combustion engines, an enclosed flare and an open flare. The Renewable Energy Facility (REF) consisting of eight (8) Caterpillar 3516 internal combustion reciprocating engines each rated at 1,148 horsepower. The landfill gas is treated using filtration, dewatering, and compression prior to combustion in the REF. Exhaust gases from the engines vent to the atmosphere.

(4)The permit maintains two federally enforceable emission limits of nitrogen oxide (NOx). Engines 1 through 6 are limited to 95 tons per year (tpy) NOx and Engines 7 & 8 are limited to 35 tpy NOx.

(5)The NOx emissions from the engines are subject to the NOx Reasonably Available Control Technology (RACT) of 6NYCRR Part 227-2. The NOx RACT limit is 2.0 grams per brake horsepower-hour. The facility is required to monitor the engine NOx and carbon monoxide (CO) emissions on a monthly basis. The facility is required to complete a performance test following EPA methods on two engines during the term of this permit.

(6)WMNY remains subject to the requirements specified in the *New Source Performance Standards for Municipal Solid Waste Landfills – 40 CFR 60 Subpart WWW*. This includes the installation and monitoring of an active landfill gas collection system and operation of a gas treatment and control system. The landfill gas wells are monitored on a monthly basis for temperature, pressure and oxygen levels. Quarterly surface scans of the landfill cover are completed to monitor surface concentrations of methane along the collection area.

(7)WMNY remains subject to the requirements specified in the *National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills – 40 CFR 63 Subpart AAAA*. This includes implementation of a written startup, shutdown, and malfunction (SSM) plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction; a program of corrective action for malfunctioning process; and air pollution control and monitoring equipment used to comply with this standard.

(8)The permit includes the addition of two EPA regulations pertaining to the stationary internal combustion engines at the facility. The regulations added to the permit include *40 CFR 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines* and *40CFR60 Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.* These regulations include engine maintenance requirements and emission limits.

(9)WMNY operates one paint spray booth subject to 6NYCRR Part 228-1. The volatile organic compound content of the surface coatings used must comply with the appropriate limits specified in Table B4 of 6NYCRR Part 228-1.4(b)(4).

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: LISA M CZECHOWICZ
NYSDEC - REGION 9
270 MICHIGAN AVE
BUFFALO, NY 14203-2915

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 9 HEADQUARTERS

**DEC GENERAL CONDITIONS**
****** General Provisions ******
**For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.**
**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**
**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**
The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

**Item 1.2:**
The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

**Item 1.3:**
A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**
**Applicable State Requirement: ECL 3-0301 (2) (m)**

**Item 2.1:**
Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

**Condition 3: Applications for permit renewals, modifications and transfers**
**Applicable State Requirement: 6 NYCRR 621.11**

**Item 3.1:**
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

**Item 3.2:**
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

**Item 3.3:**
Permits are transferrable with the approval of the department unless specifically prohibited by

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

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

**Item 4.1:**
The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

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

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

**Condition 5: Submission of application for permit modification or renewal-REGION 9 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 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2915
(716) 851-7165

**Permit Under the Environmental Conservation Law (ECL)**

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To:WASTE MANAGEMENT OF NEW YORK LLC
1001 FANNIN STE 4000
HOUSTON, TX 77002

Facility: CHAFFEE LANDFILL
10860 OLEAN RD
CHAFFEE, NY 14030-9799

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

Permit Effective Date: 01/13/2015 Permit Expiration Date: 01/12/2020

**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 Subpart 201-6: Compliance Certification
23 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
24 6 NYCRR 201-6.4 (f): Compliance Certification
25 6 NYCRR 211.1: Air pollution prohibited
26 40CFR 60, NSPS Subpart A: Applicability of Subpart A General Provisions
27 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
28 40CFR 60.752(b)(2), NSPS Subpart WWW: Compliance Certification
29 40CFR 60.752(b)(2)(iii)('A'), NSPS Subpart WWW: Compliance Certification
30 40CFR 60.752(b)(2)(iii)('B'), NSPS Subpart WWW: Compliance Certification
31 40CFR 60.752(b)(2)(iii)('B'), NSPS Subpart WWW: Compliance Certification
32 40CFR 60.752(b)(2)(iii)('C'), NSPS Subpart WWW: Compliance Certification
33 40CFR 60.752(d), NSPS Subpart WWW: Compliance Certification
34 40CFR 60.753(b), NSPS Subpart WWW: Compliance Certification
35 40CFR 60.753(c), NSPS Subpart WWW: Compliance Certification
36 40CFR 60.753(c), NSPS Subpart WWW: Compliance Certification
37 40CFR 60.753(d), NSPS Subpart WWW: Compliance Certification
38 40CFR 60.755(c), NSPS Subpart WWW: Compliance Certification
39 40CFR 60.755(d), NSPS Subpart WWW: Compliance Certification
40 40CFR 60.757(d), NSPS Subpart WWW: Reporting Requirements - Closure Report
41 40CFR 60.757(e), NSPS Subpart WWW: Reporting Requirements - Control Equipment Removal

42 40CFR 60.757(f), NSPS Subpart WWW: Compliance Certification
43 40CFR 60.757(g), NSPS Subpart WWW: Reporting requirements - Collection and control system
44 40CFR 60.758(d), NSPS Subpart WWW: Compliance Certification
45 40CFR 60.758(e), NSPS Subpart WWW: Compliance Certification
46 40CFR 60.759(a), NSPS Subpart WWW: Specifications for active collection systems
47 40CFR 60.759(b), NSPS Subpart WWW: Specifications for active collection systems
48 40CFR 60.759(c), NSPS Subpart WWW: Specifications for active collection systems
49 40CFR 61.154, NESHAP Subpart M: Asbestos-containing waste material standard for active waste disposal sites
50 40CFR 63.1955(b), Subpart AAAA: Compliance Certification

**Emission Unit Level**

51 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
52 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
53 6 NYCRR 201-7.1: Process Permissible Emissions
54 6 NYCRR 227-1.3 (a): Compliance Certification

**EU=L-00001**

55 6 NYCRR 227-2.4 (g): Compliance Certification

**EU=M-00001**

56 6 NYCRR 212.4 (c): Compliance Certification
57 6 NYCRR 228-1.3 (a): Compliance Certification
58 6 NYCRR 228-1.3 (b) (1): Compliance Certification
59 6 NYCRR 228-1.3 (d): Surface Coating - Handling, storage and disposal
60 6 NYCRR 228-1.3 (e): Surface Coating- application requirements
61 6 NYCRR 228-1.4 (b) (4) (ii): Compliance Certification

**EU=M-00001,Proc=PSB**

62 6 NYCRR 212.4 (c): Compliance Certification

**EU=P-00001**

*63 6 NYCRR 201-7.1: Capping Monitoring Condition
*64 6 NYCRR 201-7.1: Capping Monitoring Condition
65 6 NYCRR Subpart 202-1: Compliance Certification
66 6 NYCRR 227-2.4 (f) (2): Compliance Certification
67 40CFR 60, NSPS Subpart JJJJ: Compliance Certification
68 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification
69 40CFR 60.4243(b)(2)(ii), NSPS Subpart JJJJ: Compliance Certification
70 40CFR 60.4244, NSPS Subpart JJJJ: Test methods and procedures
71 40CFR 60.4245(a), NSPS Subpart JJJJ: Compliance Certification
72 40CFR 60.4245(c), NSPS Subpart JJJJ: Compliance Certification
73 40CFR 60.4245(d), NSPS Subpart JJJJ: Performance test requirements
74 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
75 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
76 40CFR 63.6625, Subpart ZZZZ: Compliance Certification
77 40CFR 63.6655, Subpart ZZZZ: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

78 ECL 19-0301: Contaminant List
79 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
80 6 NYCRR 211.2: Visible Emissions Limited

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.

**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.

**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

(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 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 200.6**

**Item 1.1:**
Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Condition 2:** **Fees**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 2.1:**
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

**Condition 3:** **Recordkeeping and Reporting of Compliance Monitoring**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 3.1:**
The following information must be included in any required compliance monitoring records and reports:

(i) The date, place, and time of sampling or measurements;

(ii) The date(s) analyses were performed;

(iii)The company or entity that performed the analyses;

(iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;

(v) The results of such analyses including quality assurance data where required; and

(vi) The operating conditions as existing at the time of sampling or measurement.

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

**Condition 4: Records of Monitoring, Sampling, and Measurement**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 4.1:**
Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 5: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 5.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
To meet the requirements of this facility permit with respect to reporting, the permittee must:

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

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

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

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

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

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

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

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 6:** **Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**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 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 9 Headquarters
270 Michigan Avenue
Buffalo, NY 14203-2915

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 1/30/2016.
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 202-2.1**

**Item 7.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 7.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

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

**Condition 8: Recordkeeping requirements**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 202-2.5**

**Item 8.1:**
(a) The following records shall be maintained for at least five years:

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

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

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

**Condition 9: Open Fires - Prohibitions**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 9.1:**
Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

**Item 9.2**
Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:
(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
(b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
(c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
(d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous

agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
(e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
(f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
(g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
(h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
(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 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 10.1:**
Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

**Condition 11: Recycling and Salvage**

**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 201-1.7**

**Item 11.1:**
Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 201-1.8**

**Item 12.1:**
No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

**Condition 13: Exempt Sources - Proof of Eligibility**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 13.1:**
The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

**Condition 14: Trivial Sources - Proof of Eligibility**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**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 01/13/2015 and 01/12/2020**

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

**Item 15.1:**
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 01/13/2015 and 01/12/2020**

**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 01/13/2015 and 01/12/2020**

**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 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 01/13/2015 and 01/12/2020**

**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 01/13/2015 and 01/12/2020**

**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 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 82, Subpart F**

**Item 20.1:**
The permittee shall comply with all applicable provisions of 40 CFR Part 82.

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

**Condition 21: Emission Unit Definition**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**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: L-00001
Emission Unit Description:
WMNY operates a municipal solid waste (MSW) landfill with a total design capacity equal to 19,496,520 cubic yards (cy). This includes the Existing Landfill (LNDFL) of 9,144,000 cy, the Western Expansion (LNDF2) of 8,312,922 cy and the Valley Fill Expansion (LNDF3) of 2,039,598 cy.

Collected landfill gas emissions are controlled by a treatment system prior to input into the internal combustion engines. Collected landfill gas is also controlled by an enclosed flare and an open flare. Air emissions from the landfill include primarily combustion components and fugitive emissions from the uncontrolled landfill gas.

**Item 21.2:**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: M-00001
Emission Unit Description:
Miscellaneous maintenance activities are performed at the facility for the equipment and vehicles owned by Chaffee Landfill. These activities include a paint booth and two exempt parts cleaning tank.

Building(s): MB

**Item 21.3:**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: P-00001
Emission Unit Description:
Emission unit P-00001 is a Renewable Energy Facility (REF) consisting of eight (8) Caterpillar 3516 internal combustion reciprocating engines rated at 1148 Bhp per engine. The landfill gas is treated using filtration, dewatering, and compression prior to combustion in the REF. Exhaust gases from the engines vent to the atmosphere.

Building(s): GASPLANT

**Condition 22: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 22.1:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 22.2:**
Compliance Certification shall include the following monitoring:

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

Monitoring Description:

(1) WMNY shall maintain records to document the combined total actual annual waste and alternate daily cover (ADC) material received. The actual total waste acceptance and ADC rates shall be determined by January 30 of each calendar year.

(2) If the combined total of the actual waste and ADC acceptance rate exceeds 720,000 tpy (i.e., 600,000 tpy waste and 120,000 ADC ), the facility shall input the actual rate into the Landfill Gas Emissions Computer Model (LandGEM) and re-evaluate the emissions from the landfill. A report of the LandGEM results and re-evaluation of the applicability to New Source Review (6NYCRR Part 231-6) and Prevention of Significant Deterioration (6NYCRR Part 231-8) shall be provided to the Department within 30 days of the recorded waste increase.

(3) The site-specific and default parameters used in the analysis for Chaffee Landfill included:

(a) Permitted waste design capacity = 14,326,573 Mg;

(b) Maximum waste acceptance rate = 720,000 tons per year.
(c) NMOC concentration = 595 ppmv as hexane
(d) Default values of Lo = 140 m3/Mg, k = 0.04, methane concentration = 50%.

(4) For the purposes of determining waste acceptance rates, waste shall include: municipal solid waste, industrial waste, construction and demolition debris, contaminated soil, sludge, tire waste, and any other solid

waste material. Inert materials such as ash, asbestos and other materials may be excluded from the annual waste acceptance rate calculation.

Parameter Monitored: MUNICIPAL SOLID WASTE
Upper Permit Limit: 720000 tons per year
Monitoring Frequency: ANNUALLY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 23: Progress Reports Due Semiannually**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 23.1:**
Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

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

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

**Condition 24: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 24.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 24.2:**
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 into the permit.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 25: Air pollution prohibited**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 25.1:**
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 26: Applicability of Subpart A General Provisions**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart A**

**Item 26.1:**
This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

**Condition 27: EPA Region 2 address.**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A**

**Item 27.1:**
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 28: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 28.1:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 28.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

ACTIVE LANDFILL GAS COLLECTION SYSTEM

The active landfill 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;
(a) For the purposes of calculating the maximum expected gas generation flow rate from the landfill, the following equation shall be used. The k and Lo kinetic factors should be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42) or other site specific values demonstrated to be appropriate and approved by the Administrator. A value of no more than 15 years shall be used for the intended use period of the gas mover equipment. The active life of the landfill is the age of the landfill plus the estimated number of years until closure.

QM = SUMi [2*k*Lo*Mi*(e^(-kti)]

where,
QM =maximum expected gas generation flow rate, cubic

meters per year
k=methane generation rate constant, year−1
Lo =methane generation potential, cubic meters per megagram solid waste
Mi =mass of solid waste in the ith section, megagrams
ti =age of the ith section, years
i=1 to n

(b) If a collection and control system has been installed, actual flow data may be used to project the maximum expected gas generation flow rate instead of, or in conjunction with, the equation in paragraph (a) above. If the landfill is still accepting waste, the actual measured flow data will not equal the maximum expected gas generation rate, so calculations using the equation in paragraph (a) or other methods shall be used to predict the maximum expected gas generation rate over the intended period of use of the gas control system equipment.

(2) Collect gas from each area, cell, or group of cells in the landfill. Each well shall be installed no later than 60 days after the date on which the initial solid waste has been in place for a period of:
(a) 5 years or more if active; or
(b) 2 years or more if closed or at final grade.

For the purposes of determining sufficient density of gas collectors, the owner or operator shall design a system of vertical wells, horizontal collectors, or other collection devices, satisfactory to the Administrator, capable of controlling and extracting gas from all portions of the landfill sufficient to meet all operational and performance standards.

(3) Collect gas at a sufficient extraction rate;

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

(5) In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour;

(6) Keep 5 years up-to-date, readily accessible records of the following information. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable:
(a) The design capacity report which triggered § 60.752(b), the current amount of solid waste in-place, and

the year-by-year waste acceptance rate;

(b) The maximum expected gas generation flow rate as calculated in paragraph (1) above. The owner or operator may use another method to determine the maximum gas generation flow rate, if the method has been approved by the Administrator; and

(c) The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in § 60.759(a)(1).

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 29: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.752(b)(2)(iii)('A'), NSPS Subpart WWW**

**Item 29.1:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 29.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

OPEN FLARE

(1) The open flare shall be designed and operated in accordance with § 60.18 except:
"the net heating value of the combusted landfill gas as determined in § 60.18(f)(3) is calculated from the concentration of methane in the landfill gas as measured by Method 3C. A minimum of three 30-minute Method 3C samples are determined. The measurement of other organic components, hydrogen, and carbon monoxide is not applicable. Method 3C may be used to determine the landfill gas molecular weight for calculating the flare gas exit velocity under § 60.18(f)(4)."

(2) The following equipment shall be installed, calibrated, maintained, and operated according to the manufacturer's specifications:

(a) A heat sensing device, such as an ultraviolet beam sensor or thermocouple, at the pilot light or the flame itself to indicate the continuous presence of a flame.

(b) A device that records flow to or bypass of the flare. The owner or operator shall either:

(i) Install, calibrate, and maintain a gas flow rate measuring device that shall record the flow to the control device at least every 15 minutes; or

(ii) Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.

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

(4) Keep 5 years up-to-date, readily accessible records of:

(a) flare type (i.e., steam-assisted, air-assisted, or nonassisted);
(b) all visible emission readings;
(c) heat content determination;
(d) flow rate or bypass flow rate measurements;
(e) exit velocity determinations made during the performance test as specified in § 60.18;
(f) continuous records of the flare pilot flame or flare flame monitoring; and
(g) records of all periods of operations during which the flare flame or flare pilot flame is absent.

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 30: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.752(b)(2)(iii)('B'), NSPS Subpart WWW**

**Item 30.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 30.2:**
Compliance Certification shall include the following monitoring:

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

ENCLOSED COMBUSTION DEVICE

(1) The enclosed combustion device must be operated such that the average combustion temperature for all 3-hour periods of operation does not go below 28 degrees Celsius (or 82.4 degrees Fahrenheit) below the average combustion temperature established during the most recent performance test at which compliance with 40 CFR 60.752(b)(2)(iii) was determined.

(2) The most recent performance test was completed on September 2, 2005. The average combustion temperature of all test runs was 1,482 degrees Fahrenheit. Therefore, the 3-hour average combustion temperature of the flare shall not go below 1,400 degrees Fahrenheit. If a more recent test is performed, this value will be updated accordingly.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 28 degrees C below the approved performance test combustion temperature
Monitoring Frequency: FOUR TIMES PER HOUR
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 31: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.752(b)(2)(iii)('B'), NSPS Subpart WWW**

**Item 31.1:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 31.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

ENCLOSED COMBUSTION DEVICE

(1) The control system shall be designed and operated to reduce NMOC by 98 weight-percent, or, when an enclosed combustion device is used for control, to either reduce NMOC by 98 weight percent or reduce the outlet NMOC concentration to less than 20 parts per million by volume, dry basis as hexane at 3 percent 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 paragraph (2) below.
(a) If a boiler or process heater is used as the control device, the landfill gas stream shall be introduced into the flame zone.
(b) The control device shall be operated within the parameter ranges established during the most recent performance test. The operating parameters to be monitored are specified in paragraph (3) below.

(2) For the performance test requirement, Method 25, 25C, or Method 18 of appendix A of this part must be used to determine compliance with the 98 weight-percent efficiency or the 20 ppmv outlet concentration level, unless another method to demonstrate compliance has been approved by the Administrator. Method 3 or 3A shall be used to determine oxygen for correcting the NMOC concentration as hexane to 3 percent. In cases where the outlet concentration is less than 50 ppm NMOC as carbon (8 ppm NMOC as hexane), Method 25A should be used in place of Method 25. If using Method 18 of appendix A of this part, the minimum list of compounds to be tested shall be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42). The following equation shall be used to calculate efficiency:

Control Efficiency = (NMOCin − NMOCout )/(NMOCin )
where,
NMOCin = mass of NMOC entering control device
NMOCout = mass of NMOC exiting control device

(3)The following equipment shall be calibrated, maintained, and operated according to the manufacturer's

specifications:

(a) A temperature monitoring device equipped with a continuous recorder and having a minimum accuracy of ±1 percent of the temperature being measured expressed in degrees Celsius or ±0.5 degrees Celsius, whichever is greater. A temperature monitoring device is not required for boilers or process heaters with design heat input capacity equal to or greater than 44 megawatts.

(b) A device that records flow to or bypass of the control device. The owner or operator shall either:

(i) Install, calibrate, and maintain a gas flow rate measuring device that shall record the flow to the control device at least every 15 minutes; or

(ii) Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.

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

(5) Keep 5 years up-to-date, readily accessible records of:

(a) The average combustion temperature measured at least every 15 minutes and averaged over the same time period of the performance test.

(b) The percent reduction of NMOC as specified in paragraph (2) above; and

(c) All 3-hour periods of operation during which the average combustion temperature was more than 28 degrees Celsius below the average combustion temperature.

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 32: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 32.1:**
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 32.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

GAS TREATMENT SYSTEM

(1) 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 § 60.752(b)(2)(iii) (A) or (B).

(2) The landfill gas treatment system for the stationary internal combustion engines shall be designed and operated as follows:

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.

(3) 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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 33: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.752(d), NSPS Subpart WWW**

**Item 33.1:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 33.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

LANDFILL CLOSURE

(1) The collection and control system may be capped or removed provided that all the conditions of paragraphs (a), (b), and (c) are met:
(a) The landfill shall be a closed landfill as defined in § 60.751 of this subpart. A closure report shall be submitted to the Administrator as provided in § 60.757(d);
(b) The collection and control system shall have been in operation a minimum of 15 years; and
(c) Following the procedures specified in paragraph (2) below, the calculated NMOC gas produced by the landfill shall be less than 50 megagrams per year on three successive test dates. The test dates shall be no less than 90 days apart, and no more than 180 days apart.

(2) After the installation of a collection and control system, the owner or operator shall calculate the NMOC emission rate for purposes of determining when the system can be removed using the following equation:

$MNMOC = (1.89 \times 10^{-3})^* QLFG^* CNMOC$

where,
MNMOC = mass emission rate of NMOC, megagrams per

year
QLFG = flow rate of landfill gas, cubic meters per minute
CNMOC = NMOC concentration, parts per million by volume as hexane

(a) The flow rate of landfill gas, QLFG , shall be determined by measuring the total landfill gas flow rate at the common header pipe that leads to the control device using a gas flow measuring device calibrated according to the provisions of section 4 of Method 2E of appendix A of this part.

(b) The average NMOC concentration, CNMOC , shall be determined by collecting and analyzing landfill gas sampled from the common header pipe before the gas moving or condensate removal equipment using the procedures in Method 25C or Method 18 of appendix A of this part. If using Method 18 of appendix A of this part, the minimum list of compounds to be tested shall be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42). The sample location on the common header pipe shall be before any condensate removal or other gas refining units. The landfill owner or operator shall divide the NMOC concentration from Method 25C of appendix A of this part by six to convert from CNMOC as carbon to CNMOC as hexane.

(c) The owner or operator may use another method to determine landfill gas flow rate and NMOC concentration if the method has been approved by the Administrator.

(3) When a MSW landfill subject to this subpart is closed, the owner or operator is no longer subject to the requirement to maintain an operating permit under part 70 or 71 of this chapter for the landfill if the landfill is not otherwise subject to the requirements of either part 70 or 71 and if either of the following conditions are met:
(a) The landfill was never subject to the requirement for a control system; or
(b) The owner or operator meets the conditions for control system removal.

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 34: Compliance Certification**

**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.753(b), NSPS Subpart WWW**

**Item 34.1:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 34.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

NEGATIVE PRESSURE AT WELLHEAD

(1) Operate the collection system with negative pressure at each wellhead except under the following conditions:
(a) A fire or increased well temperature. The owner or operator shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports;
(b) Use of a geomembrane or synthetic cover. The owner or operator shall develop acceptable pressure limits in the design plan;
(c) A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the Administrator;

(2) Measure gauge pressure in the gas collection header at each individual well on a monthly basis. If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed above. If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: LANDFILL GAS
Parameter Monitored: PRESSURE
Upper Permit Limit: 0 pounds per square inch gauge

Reference Test Method: As per 40CFR60 Subpart WWW
Monitoring Frequency: MONTHLY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 35: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.753(c), NSPS Subpart WWW**

**Item 35.1:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 35.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

GAS TEMPERATURE AT WELLHEAD

(1) Install a sampling port and a thermometer, other temperature measuring device, or an access port for temperature measurements at each wellhead;

(2) Operate each interior wellhead in the collection system with a landfill gas temperature less than 131 degrees Fahrenheit. The owner or operator may establish a higher operating temperature at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.;

(3) Monitor temperature at each well on a monthly basis. If a well exceeds this operating parameter, action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An

alternative timeline for correcting the exceedance may be submitted to the Administrator for approval.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: LANDFILL GAS
Parameter Monitored: TEMPERATURE
Upper Permit Limit: 130 degrees Fahrenheit
Reference Test Method: As per 40CFR60 Subpart WWW
Monitoring Frequency: MONTHLY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 36: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.753(c), NSPS Subpart WWW**

**Item 36.1:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 36.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

OXYGEN OR NITROGEN CONTENT AT WELLHEAD

(1) Operate each interior wellhead in the collection system with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The owner or operator may establish a higher operating nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.
(a) The nitrogen level shall be determined using Method 3C, unless an alternative test method is established.
(b) Unless an alternative test method is established, the oxygen shall be determined by an oxygen meter using Method 3A or 3C except that:
(i) The span shall be set so that the

regulatory limit is between 20 and 50 percent of the span;
(ii) A data recorder is not required;
(iii) Only two calibration gases are required, a zero and span, and ambient air may be used as the span;
(iv) A calibration error check is not required;
(v) The allowable sample bias, zero drift, and calibration drift are ±10 percent.

(2) Monitor nitrogen or oxygen concentration at each well on a monthly basis. If a well exceeds one of these operating parameters, action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: LANDFILL GAS
Parameter Monitored: OXYGEN CONTENT
Upper Permit Limit: 5 percent
Reference Test Method: EPA Method 3A
Monitoring Frequency: MONTHLY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 37: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.753(d), NSPS Subpart WWW**

**Item 37.1:**
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000074-82-8 METHANE

**Item 37.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING
Monitoring Description:

SURFACE SCANS

(1) Operate the collection system so that the methane concentration is less than 500 parts per million above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator shall conduct surface testing around the perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site specific deviations from the 30 meter intervals.

(2) Areas with steep slopes or other dangerous areas may be excluded from the surface testing. For safety purposes, if a section of the landfill is covered with snow and/or ice or excessive precipitation (wet conditions) for an entire quarter, that section of the landfill does not need to be included in the surface scan required for that quarter under 40 CFR 60 Subpart WWW. The facility must return to quarterly surface monitoring in the event that conditions improve (i.e., if the snow and ice melt and the ground surface is dry enough to be accessible by personnel and suitable for the monitoring instrument) during the quarterly monitoring period.

Parameter Monitored: METHANE
Upper Permit Limit: 500 parts per million (by volume)
Reference Test Method: Method 21
Monitoring Frequency: QUARTERLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 38: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.755(c), NSPS Subpart WWW**

**Item 38.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000074-82-8 METHANE

**Item 38.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

SURFACE SCAN PROCEDURES

The following procedures shall be used for compliance with the surface methane operational standard:
(1) After installation of the collection system, the owner or operator shall monitor surface concentrations of methane along the entire perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals (or a site-specific established spacing) for each collection area on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications in §60.755(d).

(2) The background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells.

(3) Surface emission monitoring shall be performed in accordance with section 8.3.1 of Method 21 of appendix A of this part, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions.

(4) Any reading of 500 parts per million or more above background at any location shall be recorded as a monitored exceedance and the following actions specified in paragraphs (i) through (vi) shall be taken. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements.
(i) The location of each monitored exceedance shall be marked and the location recorded.
(ii) Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within 10 calendar days of detecting the exceedance.
(iii) If the re-monitoring of the location shows a second exceedance, additional corrective action shall be

taken and the location shall be monitored again within 10 days of the second exceedance. If the re-monitoring shows a third exceedance for the same location, the action specified in paragraph (v) of this section shall be taken, and no further monitoring of that location is required until the action specified in paragraph (v) has been taken.

(iv) Any location that initially showed an exceedance but has a methane concentration less than 500 ppm methane above background at the 10-day re-monitoring shall be re-monitored 1 month from the initial exceedance. If the 1-month remonitoring shows a concentration less than 500 parts per million above background, no further monitoring of that location is required until the next quarterly monitoring period. If the 1-month remonitoring shows an exceedance, the actions specified in paragraph (iii) or (v) shall be taken.

(v) For any location where monitored methane concentration equals or exceeds 500 parts per million above background three times within a quarterly period, a new well or other collection device shall be installed within 120 calendar days of the initial exceedance. An alternative remedy to the exceedance, such as upgrading the blower, header pipes or control device, and a corresponding timeline for installation may be submitted to the Administrator for approval.

(vi) Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 39: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.755(d), NSPS Subpart WWW**

**Item 39.1:**
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000074-82-8 METHANE

**Item 39.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

SURFACE SCAN
INSTRUMENTATION SPECIFICATIONS

The following instrumentation specifications and procedures for surface emission monitoring devices shall be followed:
(1) The portable analyzer shall meet the instrument specifications provided in section 6 of Method 21 of 40 CFR Part 60 Appendix A, except that "methane" shall replace all references to VOC.

(2) The calibration gas shall be methane, diluted to a nominal concentration of 500 parts per million in air.

(3) To meet the sample, collection, preservation, storage and transport requirements in Section 8.0 of Method 21 of 40 CFR Part 60 Appendix A, the instrument evaluation procedures of section 8.1 of Method 21 shall be used.

(4) The calibration procedures provided in section 10 of Method 21 of 40 CFR Part 60 Appendix A of this part shall be followed immediately before commencing a surface monitoring survey.

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 40: Reporting Requirements - Closure Report**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.757(d), NSPS Subpart WWW**

**Item 40.1:**
Each owner or operator of a controlled landfill shall submit a closure report to the Administrator within 30 days of waste acceptance cessation. The Administrator may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of 40 CFR Part 258.60 of this title. If a closure report has been submitted to the Administrator, no additional wastes may be placed into the landfill without filing a

notification of modification as described under 40 CFR Part 60.7(a)(4).

**Condition 41: Reporting Requirements - Control Equipment Removal**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.757(e), NSPS Subpart WWW**

**Item 41.1:**
Each owner or operator of a controlled landfill shall submit an equipment removal report to the Administrator 30 days prior to removal or cessation of operation of the control equipment.

(1) The equipment removal report shall contain all of the following items:

(i) A copy of the closure report submitted in accordance with 40 CFR Part 60.757(d) of this section;
(ii) A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired; and
(iii) Dated copies of three successive NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year.

(2) The Administrator may request such additional information as may be necessary to verify that all of the conditions for removal in 40 CFR Part 60.752(b)(2)(v) have been met.

**Condition 42: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.757(f), NSPS Subpart WWW**

**Item 42.1:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 42.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

REPORTING REQUIREMENT

(1) Each owner or operator of a landfill using an active collection system shall submit to the Administrator semi-annual reports of the following information:

(a) Value and length of time for exceedance of applicable parameters monitored for the gas wells and combustion devices;

(b) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow;

(c) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating;

(d) All periods when the collection system was not operating in excess of 5 days;

(e) The location of each exceedance of the 500 parts per million methane concentration and the concentration recorded at each location for which an exceedance was recorded in the previous month; and

(f) The date of installation and the location of each well or collection system expansion.

Note: This reporting condition is also required by § 63.1980(a). To avoid duplication, a condition for § 63.1980(a) has not been included in this permit.

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 43: Reporting requirements - Collection and control system**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.757(g), NSPS Subpart WWW**

**Item 43.1:**
Each owner or operator seeking to comply with 40 CFR Part 60.752(b)(2)(iii) shall include the following information with the initial performance test report required under 40 CFR Part 60.8:

1) A diagram of the collection system showing collection system positioning including all wells, horizontal collectors, surface collectors, or other gas extraction devices, including the locations of any areas excluded from collection and the proposed sites for the future collection system expansion;

2) The data upon which the sufficient density of wells, horizontal collectors, surface collectors, or other gas extraction devices and the gas mover equipment sizing are based;

3) The documentation of the presence of asbestos or nondegradable material for each area from which collection wells have been excluded based on the presence of asbestos or nondegradable material;

4) The sum of the gas generation flow rates for all areas from which collection wells have been excluded based on nonproductivity and the calculations of gas generation flow rate for each excluded area; and

5) The provisions for increasing gas mover equipment capacity with increased gas generation flow rate, if the present gas mover equipment is inadequate to move the maximum flow rate expected over the life of the landfill; and

6) The provisions for the control of off-site migration.

**Condition 44: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 44.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 44.2:**
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 shall keep for the life of the collection system an up-to-date, readily accessible plot map showing each existing and planned collector in the system and providing a unique identification location label for each collector.

1) Each owner or operator shall keep up-to-date, readily accessible records of the installation date and location of all newly installed collectors as specified under 40 CFR Part 60.755(b).

2) Each owner or operator shall keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as provided in 40 CFR Part 60.759(a)(3)(i) as well as any nonproductive areas excluded from collection as provided in 40 CFR Part 60.759(a)(3)(ii).

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 45: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 45.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 45.2:**
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 shall keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in 40 CFR Part 60.753, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance.

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 46: Specifications for active collection systems**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.759(a), NSPS Subpart WWW**

**Item 46.1:**
Each owner or operator seeking to comply with 40 CFR Part 60.752(b)(2)(i) shall site active collection wells, horizontal collectors, surface collectors, or other extraction devices at a sufficient density throughout all gas producing areas using the following procedures unless alternative procedures have been approved by the Administrator as provided in 40 CFR 60.752(b)(2)(i)(C) and (D):

1) The collection devices within the interior and along the perimeter areas shall be certified to achieve comprehensive control of surface gas emissions by a professional engineer. The following issues shall be addressed in the design: depths of refuse, refuse gas generation rates and flow characteristics, cover properties, gas system expandability, leachate and condensate management, accessibility, compatibility with filling operations, integration with closure end use, air intrusion control, corrosion resistance, fill settlement, and resistance to the refuse decomposition heat.

2) The sufficient density of gas collection devices determined in paragraph (1) above shall address landfill gas migration issues and augmentation of the collection system

through the use of active or passive systems at the landfill perimeter or exterior.

3) The placement of gas collection devices determined in paragraph (1) above shall control all gas producing areas, except as provided by paragraphs (3)(i) and (3)(ii) below.

i) Any segregated area of asbestos or nondegradable material may be excluded from collection if documented as provided under 40 CFR Part 60.758(d). The documentation shall provide the nature, date of deposition, location and amount of asbestos or nondegradable material deposited in the area, and shall be provided to the Administrator upon request.

ii) Any nonproductive area of the landfill may be excluded from control, provided that the total of all excluded areas can be shown to contribute less than 1 percent of the total amount of NMOC emissions from the landfill. The amount, location, and age of the material shall be documented and provided to the Administrator upon request. A separate NMOC emissions estimate shall be made for each section proposed for exclusion, and the sum of all such sections shall be compared to the NMOC emissions estimate for the entire landfill. Emissions from each section shall be computed using the following equation:

$$Qi = 2 k Lo Mi (e^{-kti}) (CNMOC) (3.6 \times 10^{-9})$$

where,

Qi = NMOC emission rate from the ith section, megagrams per year
k = methane generation rate constant, year-1
Lo = methane generation potential, cubic meters per megagram solid waste
Mi = mass of the degradable solid waste in the ith section, megagram
ti = age of the solid waste in the ith section, years
CNMOC = concentration of nonmethane organic compounds, parts per million by volume
$3.6 \times 10^{-9}$ = conversion factor

iii) The values for k and CNMOC determined in field testing shall be used, if field testing has been performed in determining the NMOC emission rate or the radii of influence (the distance from the well center to a point in the landfill where the pressure gradient applied by the blower or compressor approaches zero). If field testing has not been performed, the default values for k, Lo and CNMOC provided in 40 CFR Part 60.754(a)(1) or the alternative values from 40 CFR Part 60.754(a)(5) shall be used. The mass of nondegradable solid waste contained within the given section may be subtracted from the total mass of the section when estimating emissions provided the nature, location, age, and amount of the nondegradable material is documented as provided in paragraph (3)(i) above.

**Condition 47: Specifications for active collection systems**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.759(b), NSPS Subpart WWW**

**Item 47.1:**
Each owner or operator seeking to comply with 40 CFR Part 60.752(b)(2)(i)(A) shall construct the gas collection devices using the following equipment or procedures:

1) The landfill gas extraction components shall be constructed of polyvinyl chloride (PVC), high density polyethylene (HDPE) pipe, fiberglass, stainless steel, or other

nonporous corrosion resistant material of suitable dimensions to: convey projected amounts of gases; withstand installation, static, and settlement forces; and withstand planned overburden or traffic loads. The collection system shall extend as necessary to comply with emission and migration standards. Collection devices such as wells and horizontal collectors shall be perforated to allow gas entry without head loss sufficient to impair performance across the intended extent of control. Perforations shall be situated with regard to the need to prevent excessive air infiltration.

2) Vertical wells shall be placed so as not to endanger underlying liners and shall address the occurrence of water within the landfill. Holes and trenches constructed for piped wells and horizontal collectors shall be of sufficient cross-section so as to allow for their proper construction and completion including, for example, centering of pipes and placement of gravel backfill. Collection devices shall be designed so as not to allow indirect short circuiting of air into the cover or refuse into the collection system or gas into the air. Any gravel used around pipe perforations should be of a dimension so as not to penetrate or block perforations.

3) Collection devices may be connected to the collection header pipes below or above the landfill surface. The connector assembly shall include a positive closing throttle valve, any necessary seals and couplings, access couplings and at least one sampling port. The collection devices shall be constructed of PVC, HDPE, fiberglass, stainless steel, or other nonporous material of suitable thickness.

**Condition 48: Specifications for active collection systems**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.759(c), NSPS Subpart WWW**

**Item 48.1:**
Each owner or operator seeking to comply with 40 CFR Part 60.752(b)(2)(i)(A) shall convey the landfill gas to a control system in compliance with 40 CFR Part 60.752(b)(2)(iii) through the collection header pipe(s). The gas mover equipment shall be sized to handle the maximum gas generation flow rate expected over the intended use period of the gas moving equipment using the following procedures:

1) For existing collection systems, the flow data shall be used to project the maximum flow rate. If no flow data exists, the procedures in paragraph (2) below shall be used.

2) For new collection systems, the maximum flow rate shall be in accordance with 40 CFR Part 60.755(a)(1).

**Condition 49: Asbestos-containing waste material standard for active waste disposal sites**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 61.154, NESHAP Subpart M**

**Item 49.1:**
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 50: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 50.1:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 50.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

If you are required by 40CFR60.752(b)(2) of subpart WWW, the Federal plan, or an EPA approved and effective State or tribal plan to install a collection and control system, you must comply with the requirements in §§63.1960 through 63.1985 and with the general provisions of part 63 as specified in table 1 of Subpart AAAA.

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

This plan must be developed by the facility by the compliance date of 40CFR63, subpart AAAA (the landfill NESHAP) and must comply with all of the provisions as listed in §63.6(e)(3).

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

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

**Condition 51: Emission Point Definition By Emission Unit**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 51.1:**

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

Emission Unit: L-00001

Emission Point: L0001
Height (ft.): 40 Diameter (in.): 132
NYTMN (km.): 4720.185 NYTME (km.): 213.266

Emission Point: L0002
Height (ft.): 23 Diameter (in.): 8
NYTMN (km.): 4720.185 NYTME (km.): 213.266

**Item 51.2:**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: M-00001

Emission Point: M0001
Height (ft.): 34 Diameter (in.): 42
NYTMN (km.): 4720.202 NYTME (km.): 213.313 Building: MB

Emission Point: M0002
Height (ft.): 34 Diameter (in.): 42
NYTMN (km.): 4720.196 NYTME (km.): 213.319 Building: MB

**Item 51.3:**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: P-00001

Emission Point: 00001
Height (ft.): 29 Diameter (in.): 10
NYTMN (km.): 4720.158 NYTME (km.): 213.264 Building: GASPLANT

Emission Point: 00002
Height (ft.): 29 Diameter (in.): 10
NYTMN (km.): 4720.162 NYTME (km.): 213.269 Building: GASPLANT

Emission Point: 00003
Height (ft.): 29 Diameter (in.): 10
NYTMN (km.): 4720.164 NYTME (km.): 213.273 Building: GASPLANT

Emission Point: 00004
Height (ft.): 29 Diameter (in.): 10
NYTMN (km.): 4720.169 NYTME (km.): 213.279 Building: GASPLANT

Emission Point: 00005
Height (ft.): 29 Diameter (in.): 10
NYTMN (km.): 4720.182 NYTME (km.): 213.297 Building: GASPLANT

Emission Point: 00006
Height (ft.): 29 Diameter (in.): 10

NYTMN (km.): 4720.186 NYTME (km.): 213.302 Building: GASPLANT

Emission Point: 00007
Height (ft.): 29 Diameter (in.): 10
NYTMN (km.): 4720.189 NYTME (km.): 213.308 Building: GASPLANT

Emission Point: 00008
Height (ft.): 29 Diameter (in.): 10
NYTMN (km.): 4720.193 NYTME (km.): 213.312 Building: GASPLANT

**Condition 52: Process Definition By Emission Unit**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 52.1:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: L-00001
Process: 183 Source Classification Code: 5-01-004-02
Process Description:
Fugitive dust is generated through the process of landfilling refuse as a result of vehicle traffic. Dust is controlled by periodic wetting of the facility access roads to ensure visible emissions do not exceed regulatory limitations at the property boundary. No wetting of the roads is conducted when precipitation occurs.

Emission Source/Control: LNDF2 - Process
Design Capacity: 8,312,922 cubic yards

Emission Source/Control: LNDF3 - Process
Design Capacity: 2,039,598 cubic yards

Emission Source/Control: LNDFL - Process
Design Capacity: 9,144,000 cubic yards

**Item 52.2:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: L-00001
Process: 301 Source Classification Code: 5-01-004-06
Process Description:
The landfill generates gases as a byproduct of decomposition of the waste placed at the facility. This gas is collected by a landfill gas collection and control system designed and operated in accordance with 40CFR60 Subpart WWW and 40CFR63 Subpart AAAA. Landfill gas not otherwise collected is fugitive.

Emission Source/Control: LNDF2 - Process
Design Capacity: 8,312,922 cubic yards

Emission Source/Control: LNDF3 - Process
Design Capacity: 2,039,598 cubic yards

Emission Source/Control: LNDFL - Process
Design Capacity: 9,144,000 cubic yards

**Item 52.3:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: L-00001
Process: LEA Source Classification Code: 5-03-006-02
Process Description:
Landfill operations produce leachate which is collected in leachate tanks and condensate tanks. As the tanks near their capacity, the leachate is pumped into trucks and shipped off-site.

Emission Source/Control: TANKS - Process
Design Capacity: 68,000 gallons

**Item 52.4:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: L-00001
Process: LGF Source Classification Code: 5-02-006-01
Process Description:
Process LGF includes operation of a 3,300 cfm John Zink enclosed flare ground system (0LGF1) and a 910 cfm open flare (FLR03) for control of excess landfill gas not being used by the Renewable Energy Facility. The flares combust any excess landfill gas collected from the landfill areas (LNDFL, LNDF2 and LNDF3).

The enclosed flare has a design heat input rating of 90 million British Thermal Units per hour (MMBtu/hr) and is capable of combusting up to 198,000 cubic feet per hour of landfill gas. The enclosed flare is operated in accordance with the combustion temperature requirements specified in §63.758(c)(1)(i).

The open flare is rated at approximately 27 MMBtu/hr and is operated in compliance with §60.18.

Emission Source/Control: 0LGF1 - Control
Control Type: FLARING

Emission Source/Control: FLR03 - Control
Control Type: FLARING

Emission Source/Control: LNDF2 - Process
Design Capacity: 8,312,922 cubic yards

Emission Source/Control: LNDF3 - Process
Design Capacity: 2,039,598 cubic yards

Emission Source/Control: LNDFL - Process
Design Capacity: 9,144,000 cubic yards

**Item 52.5:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: M-00001
Process: PSB Source Classification Code: 4-02-001-10
Process Description:
Chaffee Landfill operates a paint spray booth to coat miscellaneous metal parts and mobile equipment. The booth is approximately 25 feet wide and 60 feet long. A high volume low pressure (HVLP) spray gun is used with a rated capacity of 0.117 gal/min. Emissions are vented through particulate filters, rated at 90% efficiency and then exhausted through two identical stacks.

Emission Source/Control: 0PSB2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 0PSB1 - Process
Design Capacity: 0.117 gallons per minute

**Item 52.6:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: P-00001
Process: 601 Source Classification Code: 2-01-008-02
Process Description:
The Chaffee Landfill Renewable Energy Facility (REF) contains eight (8) Caterpillar 3516 internal combustion (IC) reciprocating engines rated at 1148 Bhp per engine. Process 601 is for the original six (6) engines (ENG01, ENG02, ENG03, ENG04, ENG05 and ENG06). The landfill gas enters the REF compressor room for treatment using filtration, dewatering, and compression prior to being combusted in the engines. Condensate formed during the treatment of the landfill gas drains to an underground tank where it is later transferred to a tanker truck to be hauled to a waste water treatment plant for disposal.

Emission Source/Control: ENG01 - Combustion
Design Capacity: 340 cubic feet per minute

Emission Source/Control: ENG02 - Combustion
Design Capacity: 340 cubic feet per minute

Emission Source/Control: ENG03 - Combustion

Design Capacity: 340 cubic feet per minute

Emission Source/Control: ENG04 - Combustion
Design Capacity: 340 cubic feet per minute

Emission Source/Control: ENG05 - Combustion
Design Capacity: 340 cubic feet per minute

Emission Source/Control: ENG06 - Combustion
Design Capacity: 340 cubic feet per minute

**Item 52.7:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: P-00001
Process: 602 Source Classification Code: 2-01-008-05
Process Description:
The Chaffee Landfill Renewable Energy Facility (P-00001) has an emission point called a "crankcase breather vent." The function of the crankcase breather vent is to allow moisture in each of the engines crankcase to be vented so water does not collect in the engines oil pan. The water vapor might contain some motor oil in the form of a mist. Other insignificant emissions might come from the virgin motor oil storage tank, the used oil storage tank, the landfill gas condensate tank and the gas chromatograph vent.

Emission Source/Control: ENG01 - Combustion
Design Capacity: 340 cubic feet per minute

Emission Source/Control: ENG02 - Combustion
Design Capacity: 340 cubic feet per minute

Emission Source/Control: ENG03 - Combustion
Design Capacity: 340 cubic feet per minute

Emission Source/Control: ENG04 - Combustion
Design Capacity: 340 cubic feet per minute

Emission Source/Control: ENG05 - Combustion
Design Capacity: 340 cubic feet per minute

Emission Source/Control: ENG06 - Combustion
Design Capacity: 340 cubic feet per minute

Emission Source/Control: ENG07 - Combustion
Design Capacity: 340 cubic feet per minute

Emission Source/Control: ENG08 - Combustion
Design Capacity: 340 cubic feet per minute

**Item 52.8:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: P-00001
Process: 603 Source Classification Code: 2-01-008-02
Process Description:
The Chaffee Landfill Renewable Energy Facility (REF) contains eight (8) Caterpillar 3516 internal combustion (IC) reciprocating engines rated at 1148 Bhp per engine. Process 603 is for the two (2) additional engines (ENG07 & ENG08). The landfill gas enters the REF compressor room for treatment using filtration, dewatering, and compression prior to being combusted in the engines. Condensate formed during the treatment of the landfill gas drains to an underground tank where it is later transferred to a tanker truck to be hauled to a waste water treatment plant for disposal.

Emission Source/Control: ENG07 - Combustion
Design Capacity: 340 cubic feet per minute

Emission Source/Control: ENG08 - Combustion
Design Capacity: 340 cubic feet per minute

**Condition 53: Process Permissible Emissions**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 53.1:**
The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: P-00001 Process: 601

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 21.7 pounds per hour
190,000 pounds per year
95 tons per year

Emission Unit: P-00001 Process: 603

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 8 pounds per hour
70,000 pounds per year
35 tons per year

**Condition 54: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 54.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: L-00001

Emission Unit: P-00001

**Item 54.2:**
Compliance Certification shall include the following monitoring:

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

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: WEEKLY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 55: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 227-2.4 (g)**

**Item 55.1:**
The Compliance Certification activity will be performed for:

Emission Unit: L-00001

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

**Item 55.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
WMNY submitted an updated NOx RACT Plan, dated December 16, 2011. The plan indicates the NOx emission rate for the enclosed flare is 0.06 lb/mmBtu and the open flare is 0.068 lb/mmBtu.

The enclosed flare operates in compliance with §60.752(b)(2)(iii) and the open flare operates in compliance with §60.18.

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 56: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 212.4 (c)**

**Item 56.1:**
The Compliance Certification activity will be performed for:

Emission Unit: M-00001

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

**Item 56.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines similar to EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made once per day while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. If visible emissions are observed for two consecutive days, a Method 9 visible emissions test must be conducted by a certified observer. If the Method 9 test determines that the opacity is less than 20%, observations of the stack in question shall be used to determine that the opacity of these emissions remain less than 20%.

The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well an instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 57: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 228-1.3 (a)**

**Item 57.1:**
The Compliance Certification activity will be performed for:

Emission Unit: M-00001

**Item 57.2:**
Compliance Certification shall include the following monitoring:

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

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance will be determined by conducting a Method 9 opacity evaluation at a minimum frequency of once per year, while the source is in normal operating mode.

In addition to the above opacity evaluation, the permittee will conduct daily observations of visible emissions from the emission unit, process, etc. to which this condition applies. The observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission point
- weather condition
- was a plume observed?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry. If the operator observes any visible emissions (other than steam - see below) the permittee will immediately investigate any such occurrence and take corrective action, as necessary, to reduce or eliminate the emissions. If visible emissions above those

that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify the department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of theses instances.

** NOTE ** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 58: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 228-1.3 (b) (1)**

**Item 58.1:**
The Compliance Certification activity will be performed for:

Emission Unit: M-00001

**Item 58.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an emission source subject to 6 NYCRR Part 228-1 must maintain the following records in a format acceptable to the department for a period of at least five years:

1. A certification from the coating supplier or

manufacturer which lists the parameters used to determine the actual VOC content of each as applied coating used at the facility.

2. Purchase, usage and/or production records of each coating material, including solvents.

3. Records identifying each air cleaning device that has an overall removal efficiency of at least 90 percent.

4. Records verifying each parameter used to calculate the overall removal efficiency, as described in Equation 2 of Section 228-1.5(c), if applicable.

5. Any additional information required to determine compliance with Part 228-1.

Upon request, the owner or operator of an emission source subject to 6 NYCRR Part 228-1 must submit a copy of the records kept in accordance with this condition to the department within 90 days of receipt of the request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 59: Surface Coating - Handling, storage and disposal**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 228-1.3 (d)**

**Item 59.1:**
This Condition applies to Emission Unit: M-00001

**Item 59.2:**
Within the work area(s) associated with a coating line, the owner or operator of a facility must:

(1) use closed, non-leaking containers to store or dispose of cloth or other absorbent applicators impregnated with VOC solvents that are used for surface preparation, cleanup or coating removal;

(2) store in closed, non-leaking containers spent or fresh VOC solvents to be used for surface preparation, cleanup or coating removal;

(3) not use VOC solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize VOC evaporation;

(4) not use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating

material to a substrate. These devices may include, but are not limited to: spray guns, flow coaters, dip tanks, rollers, knife coaters, and extrusion coaters;

(5) not use open containers to store or dispose of spent surface coatings, or spent VOC solvents;

(6) minimize spills during the handling and transfer of coatings and VOC solvents; and

(7) clean hand held spray guns by one of the following:

(i) an enclosed spray gun cleaning system that is kept closed when not in use;

(ii) non-atomized discharge of VOC solvent into a paint waste container that is kept closed when not in use;

(iii) disassembling and cleaning of the spray gun in a vat that is kept closed when not in use; or

(iv) atomized spray into a paint waste container that is fitted with a device designed to capture atomized VOC solvent emissions.

**Condition 60: Surface Coating- application requirements**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 228-1.3 (e)**

**Item 60.1:**
This Condition applies to Emission Unit: M-00001

**Item 60.2:**
Facilities operating coating lines must use one or more of the following application techniques to apply the coating:

(i) flow/curtain coating;

(ii) dip coating;

(iii) cotton-tipped swab application;

(iv) electro-deposition coating;

(v) high volume low pressure spraying;

(vi) electrostatic spray;

(vii) airless spray, (including air assisted);

(viii) airbrush application methods for stenciling, lettering, and other identification markings; or

(ix) other coating application methods approved by the department which can demonstrate transfer efficiencies equivalent to or greater than high volume low pressure spray.

**Condition 61: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 228-1.4 (b) (4) (ii)**

**Item 61.1:**
The Compliance Certification activity will be performed for:

Emission Unit: M-00001

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

**Item 61.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
A facility operating a Miscellaneous Metal Parts Coatings coating line may not use coatings with VOC contents, as applied, which exceed the appropriate limits specified in Table B4 of 6 NYCRR Subpart 228-1.4(b)(4). The units in Table B4 are in terms of pounds of VOC per gallon of coating (minus water and excluded compounds) at application. Sampling and testing of any coating to confirm VOC content compliance must be performed in a manor directed by and at the request of the Department.

As an example, the VOC coating limit when using a General One-Component Coating, Air-Dried is 2.8 pounds of VOC per gallon of coating (minus water and excluded compounds) at application. Refer to Table B4 to determine the appropriate coating limit for each coating category.

For miscellaneous metal parts coating the following types of coatings and coating operations are exempt from the VOC content limits of table B4:

(a) stencil coating;

(b) safety-indicating coatings;

(c) solid-film lubricants;

(d) electric-insulating and thermal-conducting coatings;

(e) magnetic data storage disk coatings; and

(f) plastic extruded into metal parts to form a coating.

Parameter Monitored: VOC CONTENT
Upper Permit Limit: 2.8 pounds per gallon
Reference Test Method: EPA Method 24
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 62: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 212.4 (c)**

**Item 62.1:**
The Compliance Certification activity will be performed for:

Emission Unit: M-00001
Process: PSB

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

**Item 62.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Operators of all paint spray booths must periodically monitor the booths and the accompanying particulate control device(s) by completing the following tasks on a weekly basis:

- Inspect the spray booth emission point for evidence of paint fallout and for presence of visible emissions. Presence of visible emissions indicates that the emission sources may not be operating properly and may need servicing.
- Inspect the spray booth's particulate control device for evidence that maintenance or replacement is needed.
- Record in an inspection log, which shall be made available for Department review upon request, the following information: Date, time, name of staff person performing inspection, and inspection results for each inspection; and, whenever a problem is discovered, a

description of the problem, cause and corrective action taken.

Regardless of when a problem is noted, i.e., at a time other than during the weekly inspection, it must be immediately remedied.

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 63: Capping Monitoring Condition**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 63.1:**
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 231-2

**Item 63.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 63.3:**
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 63.4:**
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 63.5:**
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 63.6:**

The Compliance Certification activity will be performed for:

Emission Unit: P-00001

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

**Item 63.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Waste Management of New York, LLC's Chaffee Landfill has accepted a cap of 35 tons per year of Oxides of Nitrogen (NOx) on the additional two engines (ENG07 & ENG08) at the Renewable Energy Facility (REF). This cap will allow the engines to not be subject to the New Source Review (NSR) regulations. The facility must track the kilowatt-hour (kwh) output of each engine and use an emission factor developed from the most recent performance test to calculate the 12-month rolling total of NOx emissions from the engines. The emissions factor is calculated as follows: lb/hr NOx emission rate measured during stack test divided by the kwh output from the engine during the test equals the lb/kwh emission factor. NOx emissions are calculated as kwh multiplied by the lb/kwh emissions factor equals lb/month (then converted to tons/month).

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 35 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL TOTAL ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 64: Capping Monitoring Condition**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 64.1:**
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 231-2

**Item 64.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 64.3:**
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 64.4:**
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 64.5:**
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 64.6:**
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

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

**Item 64.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Waste Management of New York, LLC's Chaffee Landfill has accepted a cap of 95 tons per year of Oxides of Nitrogen (NOx) on the existing six engines (ENG01, ENG02, ENG03, ENG04, ENG05 and ENG06) at the Renewable Energy Facility (REF). This cap will allow the engines to not be subject to the New Source Review (NSR) regulations. The facility must track the kilowatt-hour (kwh) output of each engine and use an emission factor developed from the most recent performance test to calculate the 12-month rolling total of NOx emissions from the engines. The emissions factor is calculated as follows: lb/hr NOx emission rate measured during stack test divided by the kwh output from the engine during the test equals the lb/kwh emission

factor. NOx emissions are calculated as kwh multiplied by the lb/kwh emissions factor equals lb/month (then converted to tons/month).

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 95 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL TOTAL ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 65: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:6 NYCRR Subpart 202-1**

**Item 65.1:**
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 65.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The design emission rates of the internal combustion engines for nitrogen oxides (NOx) and carbon monoxide (CO) are 1.40 grams per brake horsepower-hour (g/bhp-hr) and 2.71 g/bhp-hr, respectively. The Department requires routine performance testing and periodic monitoring of the internal combustion engines to confirm the engines consistently operate within the design criteria.

PERIODIC MONITORING

(1) Each month the facility is required to analyze NOx and CO stack emissions on each engine with a portable analyzer.

(2) Based on the most recent performance test completed on September 26, 2011, the target NOx and CO concentrations are as follows:

Engines 1 through 6

NOx = 217.2 ppm
CO = 715.1 ppm

Engines 7 and 8
NOx = 201.6 ppm
CO = 663.7 ppm

(3) If the target concentrations are exceeded, the engines shall be tuned and monitoring repeated within 10 business days. If the target concentrations are exceeded upon remonitoring, performance testing shall be conducted. If corrective actions are taken as specified, the monitored exceedance is not a violation of the operational requirements, however the permittee shall report these episodes as deviations.

(4) Records shall be maintained to include: (a) date and time of the measurement, (b) a log of the NOx and CO measurements in ppm, (c) calculations used for determining the target concentration, and (d) description of adjustments made to the engine (if any). The records shall be kept on-site and be made available to the Department upon request.

(5) A summary of all monthly monitoring results shall be reported to the Department semiannually.

ROUTINE PERFORMANCE TESTING

(1) The facility completed initial performance tests on engines #1, #4, #7 and #8 between August, 2008 and September, 2011. The test results indicate the NOx emission rate ranges between 1.1 grams per brake horsepower-hour (g/bhp-hr) and 1.3 g/bhp-hr. This is below the limit of 2.0 grams per brake horsepower-hour contained in 6 NYCRR Part 227-2 and 1.4 grams per brake horsepower-hour used to allow the engines to limit emissions below the applicability level of 6 NYCRR Part 231.

(2) Additional performance testing shall be completed, at a minimum, every five years on one engine from each similar engine type at the facility. For purposes of this testing, engines 1 through 6 will be considered one engine type and engines 7 and 8 will be considered another engine type. More frequent performance testing may be required as determined necessary by the Department.

(3) Performance tests must demonstrate compliance with the design emission rates of 1.40 g/bhp-hr NOx and 2.71 g/bhp-hr CO.

(4) The specific engine to be tested will be selected by the Department. The test must be completed at the maximum normal operating load.

(5) The methods used to measure NOx and CO shall include EPA Methods 7 or 7E and EPA Method 10 from 40CFR60, Appendix A or another reference method approved by the Department.

(6) A performance test protocol shall be submitted to the Department for approval at least 60 days prior to completion of the test. The Department must be notified 10 days prior to the scheduled test date so a Department representative may be present during the test.

(7) A performance test report of the results shall be submitted to this office within 45 days of completion of the test.

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 66: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 66.1:**
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

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

**Item 66.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
WMNY submitted an updated NOx RACT Plan, dated December 16, 2011. The plan outlines five (5) compliance test results for five of the eight engines. The test results indicate the NOx emission rate ranges between 1.1 grams per brake horsepower-hour (g/bhp-hr) and 1.6 g/bhp-hr.

To demonstrate continued compliance with the NOx RACT

standard of 2.0 g/bhp-hr, the facility is required to conduct emission monitoring and testing contained in the 6NYCRR Part 202-1 condition elsewhere in this permit.

Upper Permit Limit: 2.0 grams per brake horsepower-hour
Reference Test Method: EPA method 7, 7E or 19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 67: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ**

**Item 67.1:**
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

**Item 67.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The following SIX engines 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 engine's 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.

Regardless of the NSPS and NESHAP rules, the engines do have to meet nitrogen oxides and carbon monoxide emission limits to demonstrate compliance with 6NYCRR Part 231 and 6NYCRR Part 227-2 as indicated elsewhere in this permit.

This requirement is applicable to the following SIX engines:

Engine#, Serial#, Max Power, Const.Date, Manf.Date
1, ZBA00471, 820 kW, 9/22/2006, 9/5/2006

2, ZBA00440, 820 kW, 7/24/2006, 7/10/2006
5, ZBA00435, 820 kW, 7/25/2006, 7/7/2006
6, ZBA00439, 820 kW, 7/26/2006, 7/11/2006
7, ZBA00841, 820 kW, 12/6/2006, 11/20/2007
8, ZBA00843, 820 kW, 12/5/2006, 11/20/2007

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 68: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**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: 0NY210-00-0 OXIDES OF NITROGEN

**Item 68.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

EMISSION STANDARDS

Any new engine must comply with the emission standards in Table 1 to Subpart JJJJ of Part 60 as follows:

Landfill/Digester Gas Engines (non-certified)*

Emission Standards (g/HP-hr)

| Size | Date | NOx | CO | VOC |
|---|---|---|---|---|
| HP<500 | 7/1/2008 | 3.0 | 5.0 | 1.0 |
| HP<500 | 1/1/2011 | 2.0 | 5.0 | 1.0 |
| HP>=500 | 7/1/2007 | 3.0 | 5.0 | 1.0 |
| HP>=500 | 7/1/2010 | 2.0 | 5.0 | 1.0 |

Emission Standards (ppmvd at 15% O2)

| Size | Date | NOx | CO | VOC |
|---|---|---|---|---|
| HP<500 | 7/1/2008 | 220 | 610 | 80 |
| HP<500 | 1/1/2011 | 150 | 610 | 80 |

| | | | | |
|---|---|---|---|---|
| HP>=500 | 7/1/2007 | 220 | 610 | 80 |
| HP>=500 | 7/1/2010 | 150 | 610 | 80 |

*Note: Most SI engines are certified for using gasoline or LPG only. A stationary SI engine manufacturer may certify an engine family solely to the standards applicable to landfill/digester gas engines under the voluntary manufacturer certification program, but the engine must have a permanent label stating that the engine is for use only in landfill/digester gas applications. The label must be added according to the labeling requirements specified in 40 CFR 1048.135(b).
The department has not observed any SI engines certified for landfill/digester gas. As such, most landfill/digester engines are non-certified engines.

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 69: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 69.1:**
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

**Item 69.2:**
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 an initial performance test must be performed and subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance must also be conducted.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 70: Test methods and procedures**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 60.4244, NSPS Subpart JJJJ**

**Item 70.1:**
This Condition applies to Emission Unit: P-00001

**Item 70.2:**

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 71: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 71.1:**
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

**Item 71.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Owners or operators of stationary SI ICE that are subject to the provisions of 40 CFR Subpart JJJJ must meet the following notification, reporting and recordkeeping requirements.

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

(2) Maintenance conducted on the engine.

(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 72: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 72.1:**
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

**Item 72.2:**
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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 73: Performance test requirements**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 73.1:**
This Condition applies to Emission Unit: P-00001

**Item 73.2:** 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 74: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 74.1:**
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

**Item 74.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

EMISSION RELATED OPERATING LIMITATIONS

No later than May 3, 2013, compliance with the following maintenance procedures must be completed as follows:

(1) Change oil and filter every 1,000 hours of operation or annually, whichever comes first;
(2) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first;
(3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace

as necessary;

(4) This requirement is applicable to One-90 HP 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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 75: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

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

**Item 75.1:**
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

**Item 75.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

EMISSION RELATED OPERATING LIMITATIONS

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 TWO engines:

Engine#, Serial#, Max Power, Const.Date, Manf.Date
3, ZBA00389, 820 kW, 5/23/2006, 5/4/2006
4, ZBA00388, 820 kW, 5/23/2006, 5/3/2006

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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 76: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 63.6625, 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:

OPERATION AND MAINTENANCE REQUIREMENTS

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 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, 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;
(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 THREE engines:

Engine#, Serial#, Max Power, Const.Date, Manf.Date
3, ZBA00389, 820 kW, 5/23/2006, 5/4/2006
4, ZBA00388, 820 kW, 5/23/2006, 5/3/2006
One-90 HP 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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**Condition 77: Compliance Certification**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable Federal Requirement:40CFR 63.6655, 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:

RECORDKEEPING KEEPING AND REPORTING

The following records shall be maintained:

(1) 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;

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

(3) 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.

(4) This requirement is applicable to the following THREE engines:

Engine#, Serial#, Max Power, Const.Date, Manf.Date
3, ZBA00389, 820 kW, 5/23/2006, 5/4/2006
4, ZBA00388, 820 kW, 5/23/2006, 5/3/2006
One-90 HP 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 7/30/2015.
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 78: Contaminant List**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable State Requirement:ECL 19-0301**

**Item 78.1:**
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000074-82-8
Name: METHANE

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

CAS No: 0NY075-00-0
Name: PARTICULATES

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

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

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

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

**Condition 79: Malfunctions and start-up/shutdown activities**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable State Requirement:6 NYCRR 201-1.4**

**Item 79.1:**
(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.

**Condition 80: Visible Emissions Limited**
**Effective between the dates of 01/13/2015 and 01/12/2020**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 80.1:**
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.