

**New York State Department of Environmental Conservation
Division of Environmental Permits, Region 9**

270 Michigan Avenue, Buffalo, New York, 14203-2915

Phone: (716) 851-7165 • **Fax:** (716) 851-7168

Website: www.dec.ny.gov



Joe Martens
Commissioner

January 13, 2015

Thomas L. Lewis, District Manager
Waste Management of New York LLC
10860 Olean Road
Chaffee, New York 14030

**PERMIT TRANSMITTAL LETTER
TITLE V AIR PERMIT RENEWAL
CHAFFEE LANDFILL
PERMIT NO. 9-1462-00001/00013**

Enclosed is your renewed Title V Air permit which was issued in accordance with applicable provisions of the Environmental Conservation Law. The permit is valid for only that project, activity or operation expressly authorized.

The DEC permit number and Program ID number, if applicable, should be retained for your records and should be referenced on all future correspondence and applications related to the permit. If modifications are desired after permit issuance, you must submit the proposed revisions and receive written approval from the Permit Administrator prior to initiating any change. If the Department determines that the modification represents a material change in the scope of the authorized project, activity, operation or permit conditions, you will be required to submit a new application for permit.

Please note the expiration date of the permit. Applications for permit renewal should be made well in advance of the expiration date (minimum of 30 days) and submitted to the Regional Permit Administrator at the above address. For SPDES, Solid Waste and Hazardous Waste, and Air Pollution Control Permits, renewals must be made at least 180 days prior to the expiration date.

PLEASE REVIEW ALL PERMIT CONDITIONS CAREFULLY. IN PARTICULAR, IDENTIFY YOUR INITIAL RESPONSIBILITIES UNDER THIS PERMIT IN ORDER TO ASSURE TIMELY ACTION IF REQUIRED. SINCE FAILURE TO COMPLY PRECISELY WITH PERMIT CONDITIONS MAY BE TREATED AS A VIOLATION OF THE ENVIRONMENTAL CONSERVATION LAW, YOU ARE REQUESTED TO PROVIDE A COPY OF THE PERMIT TO THE PROJECT CONTRACTOR, FACILITY OPERATOR, AND OTHER PERSONS DIRECTLY RESPONSIBLE FOR PERMIT IMPLEMENTATION (IF ANY).

If you have any questions, please contact this office at the above address.

Respectfully,
David S. Denk
Regional Permit Administrator

Enclosure

Ecc: Mr. Alfred Carlacci, P.E., NYSDEC, Division of Air Resources, Attn: Mr. Alan Zyinski, P.E.
Ms. Rebecca Zayatz, Waste Management of New York, LLC – Model City



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.

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(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:

Lisa M. Czechowicz

Date: 1 / 13 / 15

DEC Permit Conditions
Renewal 2/FINAL



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.



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| 4 | 3 | Applications for permit renewals, modifications and transfers |
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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

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- 64 65 6 NYCRR Subpart 202-1: Compliance Certification
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- 67 67 40CFR 60, NSPS Subpart JJJJ: Compliance Certification
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- 70 70 40CFR 60.4244, NSPS Subpart JJJJ: Test methods and procedures
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- 72 73 40CFR 60.4245(d), NSPS Subpart JJJJ: Performance test requirements
- 72 74 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
- 73 75 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification

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- 74 76 40CFR 63.6625, Subpart ZZZZ: Compliance Certification
- 75 77 40CFR 63.6655, Subpart ZZZZ: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

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- 77 78 ECL 19-0301: Contaminant List
- 78 79 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 79 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

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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

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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

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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.

New York State Department of Environmental Conservation

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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

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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.

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(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

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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

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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.

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- (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

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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)

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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.



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(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

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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

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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 $Lo = 140 \text{ m}^3/\text{Mg}$, $k = 0.04$, 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

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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

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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.

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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

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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.

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Permit ID: 9-1462-00001/00013

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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.

$$QM = \sum_i [2 \cdot k \cdot Lo \cdot Mi \cdot (e^{-k \cdot t_i})]$$

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 i th section, megagrams

t_i = age of the i th 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

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(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):

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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

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(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.

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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:

$$\text{Control Efficiency} = (\text{NMOC}_{\text{in}} - \text{NMOC}_{\text{out}}) / (\text{NMOC}_{\text{in}})$$

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where,

NMOC_{in} = mass of NMOC entering control device

NMOC_{out} = 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.

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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).

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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.

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(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:

New York State Department of Environmental Conservation

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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

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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.

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Permit ID: 9-1462-00001/00013

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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)

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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

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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.

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(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 re-monitoring 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 re-monitoring 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

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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

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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;

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(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.

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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:

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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.

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Emissions from each section shall be computed using the following equation:

$$Q_i = 2 k L_o M_i (e^{-kt_i}) (\text{CNMOC}) (3.6 \times 10^{-9})$$

where,

Q_i = NMOC emission rate from the i th section, megagrams per year

k = methane generation rate constant, year⁻¹

L_o = methane generation potential, cubic meters per megagram solid waste

M_i = mass of the degradable solid waste in the i th section, megagram

t_i = age of the solid waste in the i th section, years

CNMOC = concentration of nonmethane organic compounds, parts per million

by volume

3.6×10^{-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 , L_o 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.

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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:

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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

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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

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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:

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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

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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:

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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.

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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.

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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: 000075-00-0 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 as 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

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Facility DEC ID: 9146200001



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

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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 these 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,

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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

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(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)

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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 manner 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)



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Permit ID: 9-1462-00001/00013

Facility DEC ID: 9146200001

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

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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

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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:

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Permit ID: 9-1462-00001/00013

Facility DEC ID: 9146200001



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 (NO_x) 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 NO_x emissions from the engines. The emissions factor is calculated as follows: lb/hr NO_x emission rate measured during stack test divided by the kwh output from the engine during the test equals the lb/kwh emission factor. NO_x 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

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Permit ID: 9-1462-00001/00013

Facility DEC ID: 9146200001



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 (NO_x) 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 NO_x 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 NO_x and CO concentrations are as follows:

Engines 1 through 6

NO_x = 217.2 ppm

CO = 715.1 ppm

Engines 7 and 8

NO_x = 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 NO_x 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

Air Pollution Control Permit Conditions

New York State Department of Environmental Conservation

Permit ID: 9-1462-00001/00013

Facility DEC ID: 9146200001



(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

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Permit ID: 9-1462-00001/00013

Facility DEC ID: 9146200001



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.

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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

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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	NO _x	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

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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:

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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

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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.

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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).

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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

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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).

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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

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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

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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.



Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Rec'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond Num	Regulated Contaminant	Process Material
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Activity Type
Reporting Frequency
Monitoring Frequency
Averaging Method

Lower Limit	Upper Limit	Units
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5

RECORD KEEPING/MAINTENANCE PROCEDURES

SEMI-ANNUALLY (CALENDAR)

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 INCIDENTS 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 INCIDENTS 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

**** No Data

A1

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. ***
READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 914620001 Facility CHAFEE LANDFILL

Location 10860 OLEAN RD CHAFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond	Regulated Contaminant	Lower Limit	Upper Limit	Activity Type
Num	Process Material	Units		Reporting Frequency
				Monitoring Frequency
				Averaging Method

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.

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Regulated Contaminant

Process Material

Lower Limit Upper Limit

Units

Activity Type

Reporting Frequency

Monitoring Frequency

Averaging Method

6

RECORD KEEPING/MAINTENANCE PROCEDURES

ANNUALLY (CALENDAR)

ANNUALLY

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

**** No Data

A3

Summary of Compliance Requirements

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DEC ID 914620001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond Regulated Contaminant

Num Process Material

Lower Limit

Units

Upper Limit

Activity Type

Reporting Frequency

Monitoring Frequency

Averaging Method

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

7

RECORD KEEPING/MAINTENANCE PROCEDURES

ANNUALLY (CALENDAR)

EMISSION STATEMENTS SHALL BE SUBMITTED ON OR BEFORE APRIL 15TH EACH YEAR FOR EMISSIONS OF THE PREVIOUS CALENDAR YEAR.

ANNUALLY

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Monitored Parameter

Regulated Contaminant

Num Process Material

Activity Type
Reporting Frequency
Monitoring Frequency
Averaging Method

Upper Limit

Lower Limit

Units

22

MUNICIPAL SOLID WASTE

NMOC - LANDFILL USE ONLY

720000

tons per year

MONITORING OF PROCESS OR
CONTROL DEVICE PARAMETERS
AS SURROGATE
SEMI-ANNUALLY (CALENDAR)

ANNUALLY

(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.

MAXIMUM - NOT TO EXCEED
STATED VALUE - SEE
MONITORING DESCRIPTION

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Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID	9-1462-00001/00013	Application Recv'd	12/16/2013	Renewal No:	2
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Permit Type	ATV	Status	Issued
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Monitored Parameter

Cond Num	Regulated Contaminant Process Material	Lower Limit	Upper Limit	Monitoring Frequency
		Units		Averaging Method

24

RECORD KEEPING/MAINTENANCE PROCEDURES

AS REQUIRED - SEE 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

**** No Data A6

Summary of Compliance Requirements

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DEC ID 9146200001 Facility CHAFFEE LANDFILL

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Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter		Activity Type	
		Reporting Frequency	Monitoring Frequency
Conc	Regulated Contaminant	Upper Limit	
Num	Process Material	Units	
		Averaging Method	

- 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

Summary of Compliance Requirements

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DEC ID 914620001 Facility CHAFFEE LANDFILL

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Compliance Assurance Monitoring

Monitored Parameter

Cond	Regulated Contaminant	Lower Limit	Upper Limit	Activity Type
Nun	Process Material	Units		Reporting Frequency
				Monitoring Frequency
				Averaging Method

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.

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Monitored Parameter

Regulated Contaminant

Process Material

Upper Limit

Lower Limit

Units

Activity Type

Reporting Frequency

Monitoring Frequency

Averaging Method

28

NMOC - LANDFILL USE ONLY

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.

$$QM = SUMI [2 * K * LO * MI * (E^A - (-KT))]$$

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.

RECORD KEEPING/MAINTENANCE PROCEDURES

SEMI-ANNUALLY (CALENDAR)

AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

**** No Data

A9

Summary of Compliance Requirements

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DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

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Compliance Assurance Monitoring

Monitored Parameter

Cond Num	Regulated Contaminant	Process Material	Lower Limit	Units	Upper Limit	Activity Type
						Reporting Frequency
						Monitoring Frequency
						Averaging Method

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).

Summary of Compliance Requirements

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Monitored Parameter

Regulated Contaminant

Conc Num Process Material

Activity Type
Reporting Frequency
Monitoring Frequency
Averaging Method

Lower Limit Upper Limit
Units

29

NMOC - LANDFILL USE ONLY

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.

RECORD KEEPING/MAINTENANCE
PROCEDURES

SEMI-ANNUALLY (CALENDAR)

AS REQUIRED - SEE PERMIT
MONITORING DESCRIPTION

Summary of Compliance Requirements

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Monitored Parameter

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Num	Process Material	Units		Reporting Frequency
				Monitoring Frequency
				Averaging Method

30 TEMPERATURE

28

NMOC - LANDFILL USE ONLY

degrees C below the approved performance test
combustion temperature

MONITORING OF PROCESS OR
CONTROL DEVICE PARAMETERS
AS SURROGATE
SEMI-ANNUALLY (CALENDAR)

FOUR TIMES PER HOUR

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.

3-HOUR BLOCK AVERAGE

(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.

Summary of Compliance Requirements

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Monitored Parameter

Cond Num	Regulated Contaminant	Process Material
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Activity Type	Reporting Frequency	Monitoring Frequency	Averaging Method
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Lower Limit	Upper Limit	Units
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NMOC - LANDFILL USE ONLY

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

**** No Data

A13

RECORD KEEPING/MAINTENANCE PROCEDURES

SEMI-ANNUALLY (CALENDAR)

AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. ***

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 914620001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond Regulated Contaminant

Lower Limit

Upper Limit

Num Process Material

Units

Activity Type

Reporting Frequency

Monitoring Frequency

Averaging Method

(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.

Summary of Compliance Requirements

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Monitored Parameter

Regulated Contaminant

Num Process Material

Lower Limit Upper Limit

Units

Activity Type

Reporting Frequency

Monitoring Frequency

Averaging Method

32

NMOC - LANDFILL USE ONLY

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.

RECORD KEEPING/MAINTENANCE PROCEDURES

SEMI-ANNUALLY (CALENDAR)

AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Summary of Compliance Requirements

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DEC ID 914620001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

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Compliance Assurance Monitoring

Monitored Parameter

Cond	Regulated Contaminant	Lower Limit	Upper Limit	Monitoring Frequency
	Process Material	Units		Averaging Method
Num				

33

NMOC - LANDFILL USE ONLY

RECORD KEEPING/MAINTENANCE
PROCEDURES
SEMI-ANNUALLY (CALENDAR)

LANDFILL CLOSURE

AS REQUIRED - SEE PERMIT
MONITORING DESCRIPTION

(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:

$$NMNOC = (1.89 \times 10^{-3}) \times QLF_{G^*} \times CNMOC$$

WHERE:

NMNOC = 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, QLF_G, 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.

Summary of Compliance Requirements

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DEC ID 9146200001 Facility CHAFFEE LANDFILL

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	Process Material				

(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.

34

PRESSURE

NMOC - LANDFILL USE ONLY

LANDFILL GAS

0

pounds per square inch gauge

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 INVOLVING
SPECIFIC OPERATIONS

SEMI-ANNUALLY (CALENDAR)

MONTHLY

MAXIMUM - NOT TO EXCEED
STATED VALUE - SEE
MONITORING DESCRIPTION

Summary of Compliance Requirements

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READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 914620001 Facility CHAFFEE LANDFILL

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Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond Regulated Contaminant

Num Process Material

Lower Limit

Upper Limit

Units

Activity Type

Reporting Frequency

Monitoring Frequency

Averaging Method

35

TEMPERATURE

NMOC - LANDFILL USE ONLY

LANDFILL GAS

degrees Fahrenheit

130

WORK PRACTICE INVOLVING
SPECIFIC OPERATIONS

SEMI-ANNUALLY (CALENDAR)

GAS TEMPERATURE AT WELLHEAD

MONTHLY

(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.;

MAXIMUM - NOT TO EXCEED
STATED VALUE - SEE
MONITORING DESCRIPTION

(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.

**** No Data

A18

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

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Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond Num	Regulated Contaminant
	Process Material

Activity Type
Reporting Frequency
Monitoring Frequency
Averaging Method

Lower Limit	Upper Limit	Units
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36	OXYGEN CONTENT	5	WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
	NMOC - LANDFILL USE ONLY		SEMI-ANNUALLY (CALENDAR)
	LANDFILL GAS		

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.

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Monitored Parameter

Conc	Regulated Contaminant	Lower Limit	Upper Limit	Activity Type
Num	Process Material	Units		Reporting Frequency
				Monitoring Frequency
				Averaging Method

37

METHANE

500

AMBIENT AIR MONITORING

METHANE

parts per million (by volume)

SEMI-ANNUALLY (CALENDAR)

SURFACE SCANS

QUARTERLY

(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.

AVERAGING METHOD AS PER
REFERENCE TEST METHOD
INDICATED

(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.

Summary of Compliance Requirements

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Monitored Parameter

Conc	Regulated Contaminant
Num	Process Material

Activity Type	Reporting Frequency	Monitoring Frequency	Averaging Method
Lower Limit	Upper Limit	Units	

38

METHANE

RECORD KEEPING/MAINTENANCE PROCEDURES

SEMI-ANNUALLY (CALENDAR)

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 (V) 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

AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

**** No Data

A21

Summary of Compliance Requirements

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READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Rec'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Conc	Regulated Contaminant	Lower Limit	Upper Limit	Activity Type
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Num	Process Material	Units	Averaging Method
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(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.

39

METHANE

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.

RECORD KEEPING/MAINTENANCE
PROCEDURES

SEMI-ANNUALLY (CALENDAR)

AS REQUIRED - SEE PERMIT
MONITORING DESCRIPTION

**** No Data

A22

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. ***

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Regulated Contaminant

Num Process Material

Activity Type

Reporting Frequency

Monitoring Frequency

Averaging Method

Upper Limit

Lower Limit

Units

42

NMOC - LANDFILL USE ONLY

RECORD KEEPING/MAINTENANCE
PROCEDURES

SEMI-ANNUALLY (CALENDAR)

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.

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. ***
 READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 914620001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond	Regulated Contaminant	Lower Limit	Upper Limit	Activity Type
Num	Process Material	Units		Reporting Frequency
				Monitoring Frequency
				Averaging Method

44

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.

RECORD KEEPING/MAINTENANCE PROCEDURES
 SEMI-ANNUALLY (CALENDAR)

AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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).

45

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.

RECORD KEEPING/MAINTENANCE PROCEDURES
 SEMI-ANNUALLY (CALENDAR)

AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Conc	Regulated Contaminant
Num	Process Material

Activity Type
Reporting Frequency
Monitoring Frequency
Averaging Method

Lower Limit	Upper Limit
Units	

50

TOTAL HAP

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).

RECORD KEEPING/MAINTENANCE
PROCEDURES

ANNUALLY (CALENDAR)

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. ***
READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 914620001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond	Regulated Contaminant	Lower Limit	Upper Limit
Num	Process Material	Units	

Activity Type
Reporting Frequency
Monitoring Frequency
Averaging Method

Emission Unit: L-00001

54 OPACITY

20

percent

MONITORING OF PROCESS OR
CONTROL DEVICE PARAMETERS
AS SUPERSEDED
SEMI-ANNUALLY (CALENDAR)

WEEKLY

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.

6-MINUTE AVERAGE (METHOD 9)

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.

Following Emission unit(EU), Emission point(EP), Process(PROC), Emission Source(ES) apply to this monitoring:

EU: P-00001
EU: L-00001

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Conc	Regulated Contaminant
Num	Process Material

Activity Type
Reporting Frequency
Monitoring Frequency
Averaging Method

Lower Limit	Upper Limit
Units	

Emission Unit: L-00001

55 ****

OXIDES OF NITROGEN

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.

RECORD KEEPING/MAINTENANCE PROCEDURES

SEMI-ANNUALLY (CALENDAR)

AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Summary of Compliance Requirements

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READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 914620001 Facility CHAFFEE LANDFILL

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Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond	Regulated Contaminant	Lower Limit	Upper Limit
Nun	Process Material	Units	

Activity Type

Reporting Frequency

Monitoring Frequency

Averaging Method

Emission Unit: M-00001

56 PARTICULATES

0.050

PARTICULATES

grains per dscf

INTERMITTENT EMISSION
TESTING

SEMI-ANNUALLY (CALENDAR)

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.

AS REQUIRED - SEE PERMIT
MONITORING DESCRIPTION

AVERAGING METHOD AS PER
REFERENCE TEST METHOD
INDICATED

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 AS INSTANCES IN WHICH VISIBLE EMISSIONS WERE OBSERVED OR
IN WHICH OBSERVATIONS COULD NOT BE MADE DUE TO WEATHER CONDITIONS.

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. ***

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

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Compliance Assurance Monitoring

Monitored Parameter

Cond Regulated Contaminant

Num Process Material

Activity Type	
Reporting Frequency	Upper Limit
Monitoring Frequency	Lower Limit
Averaging Method	Units

Emission Unit: M-00001

57	OPACITY	20
	****	percent

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 SEMI-ANNUAL PROGRESS REPORT AND ANNUAL COMPLIANCE CERTIFICATIONS REQUIRED OF ALL PERMITTEES SUBJECT TO TITLE V MUST INCLUDE A SUMMARY OF THESE 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.

**** No Data

A29

MONITORING OF PROCESS OR
CONTROL DEVICE PARAMETERS
AS SURROUNDATE
UPON REQUEST BY REGULATORY
AGENCY

AS REQUIRED - SEE PERMIT
MONITORING DESCRIPTION

6-MINUTE AVERAGE (METHOD 9)

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. ***

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 914620001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond	Regulated Contaminant	Lower Limit	Upper Limit	Activity Type
Num	Process Material	Units		Reporting Frequency
				Monitoring Frequency
				Averaging Method

58

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.

RECORD KEEPING/MAINTENANCE PROCEDURES
UPON REQUEST BY REGULATORY AGENCY
AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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.

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond Num	Regulated Contaminant	Process Material
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Activity Type
Reporting Frequency
Monitoring Frequency
Averaging Method

Lower Limit	Upper Limit
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Units

Emission Unit: M-00001

61 VOC CONTENT

VOC

2.8

pounds per gallon

INTERMITTENT EMISSION TESTING

SEMI-ANNUALLY (CALENDAR)

SINGLE OCCURRENCE

MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR

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 MANNER 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.

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. ***
READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

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Compliance Assurance Monitoring

Monitored Parameter

Cond Num	Regulated Contaminant	Lower Limit	Upper Limit
	Process Material	Units	

Emission Unit: M-00001 Process: PSB

62

PARTICULATES

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 BOOTHS 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.

AS REQUIRED - SEE PERMIT
MONITORING DESCRIPTION

SEMI-ANNUALLY (CALENDAR)

RECORD KEEPING/MAINTENANCE
PROCEDURES

REGARDLESS OF WHEN A PROBLEM IS NOTED, I.E., AT A TIME OTHER THAN DURING THE WEEKLY INSPECTION, IT MUST BE IMMEDIATELY REMEDIED.

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Cond Num	Monitored Parameter		Reporting Frequency	
	Regulated Contaminant	Process Material	Monitoring Frequency	
			Lower Limit	Upper Limit
		Units		

Emission Unit: P-00001

63	OXIDES OF NITROGEN	35	tons per year	MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SPECIFICATED SEMI-ANNUALLY (CALENDAR)		
CAP	OXIDES OF NITROGEN				MONTHLY	
****					ANNUAL TOTAL ROLLED MONTHLY	
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).						

64	OXIDES OF NITROGEN	95	tons per year	MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SPECIFICATED SEMI-ANNUALLY (CALENDAR)	MONTHLY	ANNUAL TOTAL ROLLED MONTHLY
CAP	OXIDES OF NITROGEN					

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).						

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. ***
READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 914620001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Conc	Regulated Contaminant	Lower Limit	Upper Limit
Num	Process Material	Units	

Activity Type
Reporting Frequency
Monitoring Frequency
Averaging Method

Emission Unit: P-00001

65 *****
RECORD KEEPING/MAINTENANCE PROCEDURES
SEMI-ANNUALLY (CALENDAR)

OXIDES OF NITROGEN

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

AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

(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

***** No Data A34

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. ***

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond Num	Regulated Contaminant
	Process Material

Activity Type	Reporting Frequency
	Monitoring Frequency
	Averaging Method

Lower Limit	Upper Limit	Units
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(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 applies to the following additional regulated contaminant(s): CARBON MONOXIDE

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. ***

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 914620001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond Regulated Contaminant

Num Process Material

Lower Limit

Upper Limit

Units

Activity Type

Reporting Frequency

Monitoring Frequency

Averaging Method

Emission Unit: P-00001

66

OXIDES OF NITROGEN

grams per brake horsepower-hour

2.0

INTERMITTENT EMISSION
TESTING

SEMI-ANNUALLY (CALENDAR)

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.

1-HOUR AVERAGE

**** No Data

A36

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond Num	Regulated Contaminant
	Process Material

Activity Type	Units	
	Lower Limit	Upper Limit
	Reporting Frequency	Monitoring Frequency
Averaging Method		

Emission Unit: P-00001

67 ****

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

RECORD KEEPING/MAINTENANCE PROCEDURES

SEMI-ANNUALLY (CALENDAR)

AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 914620001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Rec'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond	Regulated Contaminant	Lower Limit	Upper Limit	Activity Type
Nun	Process Material	Units		Reporting Frequency
				Monitoring Frequency
				Averaging Method

Emission Unit: P-00001

68

OXIDES OF NITROGEN

EMISSION STANDARDS

ANY NEW ENGINE MUST COMPLY WITH THE EMISSION STANDARDS IN TABLE 1 TO SUBPART JJJ 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
HP<500	1/1/2011	2.0	5.0
HP>=500	7/1/2007	3.0	5.0
HP>=500	7/1/2010	2.0	5.0

EMISSION STANDARDS (PPMVD AT 15% O2)

SIZE DATE	NOX	CO	VOC
HP<500	7/1/2008	220	610
HP<500	1/1/2011	150	610
HP>=500	7/1/2007	220	610
HP>=500	7/1/2010	150	610

*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.

RECORD KEEPING/MAINTENANCE PROCEDURES

SEMI-ANNUALLY (CALENDAR)

AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond Num	Regulated Contaminant
	Process Material

Activity Type	Reporting Frequency	Monitoring Frequency	Averaging Method
	Lower Limit	Upper Limit	Units

Emission Unit: P-00001

69 ***** RECORD KEEPING/MAINTENANCE PROCEDURES

SEMI-ANNUALLY (CALENDAR)

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.

71 ***** RECORD KEEPING/MAINTENANCE PROCEDURES

SEMI-ANNUALLY (CALENDAR)

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.

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. ***
READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFEE LANDFILL

Location 10860 OLEAN RD CHAFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond	Regulated Contaminant	Lower Limit	Upper Limit	Activity Type
Num	Process Material	Units		Reporting Frequency
				Monitoring Frequency
				Averaging Method

Emission Unit: P-00001

72

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:

RECORD KEEPING/MAINTENANCE PROCEDURES
SEMI-ANNUALLY (CALENDAR)

(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.

74

EMISSION RELATED OPERATING LIMITATIONS

NO LATER THAN MAY 3, 2013, COMPLIANCE WITH THE FOLLOWING MAINTENANCE PROCEDURES MUST BE COMPLETED AS FOLLOWS:

RECORD KEEPING/MAINTENANCE PROCEDURES
SEMI-ANNUALLY (CALENDAR)
AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

(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.

**** No Data

A40

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. ***
READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond Num	Regulated Contaminant
	Process Material

Activity Type
Reporting Frequency
Monitoring Frequency
Averaging Method

Emission Unit: P-00001

75 ****

RECORD KEEPING/MAINTENANCE
PROCEDURES

SEMI-ANNUALLY (CALENDAR)

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;

AS REQUIRED - SEE PERMIT
MONITORING DESCRIPTION

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

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 914620001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Rec'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond	Regulated Contaminant
Num	Process Material

Lower Limit	Upper Limit
Units	

Activity Type
Reporting Frequency
Monitoring Frequency
Averaging Method

Emission Unit: P-00001

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RECORD KEEPING/MAINTENANCE PROCEDURES
SEMI-ANNUALLY (CALENDAR)

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

**** No Data

A42

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS. READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Compliance Assurance Monitoring

Monitored Parameter

Cond Num	Regulated Contaminant		Lower Limit	Upper Limit	Units	Activity Type
	Reporting Frequency	Monitoring Frequency				
	Process Material	Averaging Method				
	3, ZBA00389, 820 KW, 5/23/2006, 5/4/2006					
	4, ZBA00388, 820 KW, 5/23/2006, 5/3/2006					
	ONE-90 HP GENERATOR					

77

RECORD KEEPING/MAINTENANCE PROCEDURES

SEMI-ANNUALLY (CALENDAR)

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

AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF FACILITY PERMISSIBLE EMISSIONS. READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 9146200001 Facility CHAFFEE LANDFILL

Location 10860 OLEAN RD CHAFFEE, NY 14030

Permit ID 9-1462-00001/00013 Application Recv'd 12/16/2013 Renewal No: 2

Permit Type ATV Status Issued

Process Permissible Emissions

Emission Unit: P-00001	Process: 601	
0NY210-00-0	OXIDES OF NITROGEN	21.7 pounds per hour
0NY210-00-0	OXIDES OF NITROGEN	190000 pounds per year
0NY210-00-0	OXIDES OF NITROGEN	95 tons per year
Emission Unit: P-00001	Process: 603	
0NY210-00-0	OXIDES OF NITROGEN	8 pounds per hour
0NY210-00-0	OXIDES OF NITROGEN	70000 pounds per year
0NY210-00-0	OXIDES OF NITROGEN	35 tons per year

