Facility DEC ID: 9146200001

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-1462-00001/00013
Effective Date: Expiration Date:

Permit Issued To:WASTE MANAGEMENT OF NEW YORK LLC
ATTN: COURTNEY TIPPY
800 CAPITAL ST STE 3000
HOUSTON, TX 77002

Contact: MICHAEL F MAHAR
CWM CHEMICAL SERVICES LLC
1550 BALMER RD PO BOX 200
MODEL CITY, NY 14107
(716) 286-1550

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

Contact: MICHAEL F MAHAR
CWM CHEMICAL SERVICES LLC
1550 BALMER RD PO BOX 200
MODEL CITY, NY 14107
(716) 286-1550

Description:

Waste Management of New York, LLC (WMNY) operates a municipal solid waste (MSW) landfill (Chaffee Landfill) located in Chaffee, New York. Chaffee Landfill is a municipal solid waste landfill located on 700 acres of property. This Title V Renewal Permit for the facility includes the construction/operation of Area 7/8 Development. The capacity of the Area 7/8 Development is approximately 5.1 million cubic yards and will allow the facility to accept waste for an additional 7 years, assuming the maximum permitted waste acceptance rate of 780,000 tons per year (600,000 tons per year (TPY) MSW and 180,000 TPY alternative daily cover (ADC)/Beneficial Use Determination (BUD) materials).

There are currently three landfill areas at the facility: the Closed Landfill, the Western Expansion Landfill and the Valley Fill Expansion. The Closed Landfill began accepting waste in 1958 and was capped and closed in 2010 with a total of 7.5 million tons of waste-in-place. The Western Expansion Landfill opened in November 2007 and consists of six double lined landfill cells covering approximately 57.3 acres. The total design capacity of the Western Expansion Landfill is approximately 8,312,922 cubic yards. A Title V Modification to authorize construction and operation of the Valley Fill Landfill Expansion was submitted on November 1, 2012 and was subsequently approved by NYSDEC. Initial construction of the Valley Fill Landfill Expansion commenced in September 2013. The capacity of the Valley Fill Expansion is 2,039,598 cubic yards and will increase life of the permitted facility by approximately 2.3 years.

Also included in the Title V Renewal Application was an assessment of facility compliance with 6 NYCRR Part 212.

Landfill Gas Collection and Combustion System (LFG) at the existing facility is currently collected in an active system and combusted to generate electricity. The collection system consists of vertical extraction wells and horizontal collectors. LFG is drawn from the landfill via blowers and directed through a gas header to eight internal combustion engines (eight Caterpillar 3516 engines), each rated at 1,148 horsepower, at the Renewable Energy Facility (REF), where electricity is produced for sale on the open market. In addition, WMNY also operates one 99 MMBtu/hr (~ 3,300 cfm) enclosed flare and one 27.3 MMBtu/hr (~ 910 cfm) open flare used to combust the excess landfill gas that is not being used by the engines and also as a back-up to the energy plant. The enclosed flare comes with a manufacturer's maximum guarantee of 0.2 lb/MMBtu of Carbon Monoxide (CO). 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.

This 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. 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. This permit also includes 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.

WMNY is subject to the requirements specified in the New Source Performance Standards for Municipal Solid Waste Landfills – 40 CFR 63 Subpart AAAA. 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 and pressure. Quarterly surface scans of the landfill cover are completed to monitor surface concentrations of methane along the collection area.

In connection with the New York State Climate Leadership and Community Protection Act (CLCPA) and Article 75 of the Environmental Conservation Law, Waste Management of New York LLC (WMNY) has evaluated the Area 7-8 Development (Emission Source: LNDF4) and has committed to performing measures for the landfill gas collection system that will assist with reducing fugitive methane emissions from the landfill.

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).

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Therefore, emission sources at the facility include fugitive emissions from the landfill; LFG combustion emissions from a 910-cfm flare, a 3,300 cfm enclosed flare, and eight IC engines; combustion emissions from heating equipment; emissions from surface coating operations; and evaporative emissions from fuel and oil storage tanks, leachate tanks, and parts washers.

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
700 Delaware Ave
BUFFALO, NY 14209

Authorized Signature: _____ Date: ___ / ___ / _____

Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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

PAGE LOCATION OF CONDITIONS

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.

Item3.2:
The permittee must submit a renewal application at least 180 days before the expiration of permits for Title V and State Facility Permits.

Item 3.3
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be

submitted prior to actual transfer of ownership.

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

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 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
700 Delaware Ave.,
Buffalo, NY 14209
(716) 851-7130

Permit ID: 9-1462-00001/00013 **Facility DEC ID: 9146200001**

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
ATTN: COURTNEY TIPPY
800 CAPITAL ST STE 3000
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: Permit Expiration Date:

PAGE LOCATION OF CONDITIONS

32 42 40CFR 60.8(d), NSPS Subpart A: Prior notice.
32 43 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
32 44 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
32 45 40CFR 60.9, NSPS Subpart A: Availability of information.
32 46 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
33 47 40CFR 60.12, NSPS Subpart A: Circumvention.
33 48 40CFR 60.14, NSPS Subpart A: Modifications.
33 49 40CFR 60.15, NSPS Subpart A: Reconstruction
34 50 40CFR 61, NESHAP Subpart M: National Emission Standard for Asbestos
34 51 40CFR 61.154, NESHAP Subpart M: Asbestos-containing waste material standard for active waste disposal sites
34 52 40CFR 63, Subpart A: General Provisions
34 53 40CFR 63.1957, Subpart AAAA: Gas Collection and Control System Installation and Removal Requirements
35 54 40CFR 63.1958(a), Subpart AAAA: Compliance Certification
36 55 40CFR 63.1958(b), Subpart AAAA: Compliance Certification
37 56 40CFR 63.1958(c), Subpart AAAA: Compliance Certification
38 57 40CFR 63.1958(d), Subpart AAAA: Compliance Certification
39 58 40CFR 63.1959(b), Subpart AAAA: Compliance Certification
42 59 40CFR 63.1959(c), Subpart AAAA: Compliance Certification
44 60 40CFR 63.1959(d), Subpart AAAA: Compliance Certification
45 61 40CFR 63.1959(e), Subpart AAAA: Compliance Certification
45 62 40CFR 63.1960(a), Subpart AAAA: Compliance Determination Methods
48 63 40CFR 63.1960(b), Subpart AAAA: Well Installation Schedule
49 64 40CFR 63.1960(c), Subpart AAAA: Compliance Certification
51 65 40CFR 63.1960(d), Subpart AAAA: Compliance Certification
52 66 40CFR 63.1960(e), Subpart AAAA: Provisions Apply at All Times
52 67 40CFR 63.1961(a), Subpart AAAA: Compliance Certification
56 68 40CFR 63.1961(b), Subpart AAAA: Compliance Certification
57 69 40CFR 63.1961(c), Subpart AAAA: Compliance Certification
58 70 40CFR 63.1961(f), Subpart AAAA: Compliance Certification
59 71 40CFR 63.1962(a), Subpart AAAA: Compliance Certification
61 72 40CFR 63.1962(b), Subpart AAAA: Compliance Certification
63 73 40CFR 63.1962(c), Subpart AAAA: Compliance Certification
63 74 40CFR 63.1981, Subpart AAAA: Required Reports
64 75 40CFR 63.1981(e), Subpart AAAA: Reporting Requirements – Revised Design Plan
64 76 40CFR 63.1981(f), Subpart AAAA: Submittal of a Closure Notification
65 77 40CFR 63.1981(g), Subpart AAAA: Equipment Removal Reports
65 78 40CFR 63.1981(h), Subpart AAAA: Reporting Requirements – Semi-Annual Reports
67 79 40CFR 63.1981(j), Subpart AAAA: Corrective Action and Timelines
67 80 40CFR 63.1981(k), Subpart AAAA: 24-Hour High Temperature Report
68 81 40CFR 63.1981(l), Subpart AAAA: Electronic Reporting Requirements
69 82 40CFR 63.1981(m), Subpart AAAA: Claims of EPA System Outage
70 83 40CFR 63.1981(n), Subpart AAAA: Claims of Force Majeure
71 84 40CFR 63.1983(a), Subpart AAAA: Compliance Certification
71 85 40CFR 63.1983(b), Subpart AAAA: Compliance Certification
74 86 40CFR 63.1983(c), Subpart AAAA: Compliance Certification
76 87 40CFR 63.1983(d), Subpart AAAA: Compliance Certification
77 88 40CFR 63.1983(e), Subpart AAAA: Compliance Certification

Emission Unit Level

79 89 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
80 90 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
85 91 6 NYCRR 201-7.1: Process Permissible Emissions

EU=L-00001
85 92 6 NYCRR 227-2.4 (g): Compliance Certification

EU=L-00001,Proc=LGF,ES=0LGF1
86 93 40CFR 60.18(c), NSPS Subpart A: Flare operation requirements.
86 94 40CFR 60.18(d), NSPS Subpart A: Flare monitoring requirements.
87 95 40CFR 60.18(e), NSPS Subpart A: Flare visible emissions.
87 96 40CFR 60.18(f), NSPS Subpart A: Flare compliance testing.

EU=L-00001,Proc=LGF,ES=FLR03
88 97 40CFR 60.18(c), NSPS Subpart A: Flare operation requirements.
88 98 40CFR 60.18(d), NSPS Subpart A: Flare monitoring requirements.
89 99 40CFR 60.18(e), NSPS Subpart A: Flare visible emissions.
89 100 40CFR 60.18(f), NSPS Subpart A: Flare compliance testing.

EU=M-00001
90 101 6 NYCRR 228-1.3 (b) (1): Compliance Certification
91 102 6 NYCRR 228-1.3 (d): Surface Coating - Handling, storage and disposal
91 103 6 NYCRR 228-1.3 (e): Surface Coating- application requirements
92 104 6 NYCRR 228-1.4 (b) (4) (ii): Compliance Certification

EU=P-00001
93 *105 6 NYCRR 201-7.1: Capping Monitoring Condition
95 *106 6 NYCRR 201-7.1: Capping Monitoring Condition
96 107 6 NYCRR Subpart 202-1: Compliance Certification
98 108 6 NYCRR 227-2.4 (f) (2): Compliance Certification
99 109 40CFR 60, NSPS Subpart JJJJ: Compliance Certification
100 110 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification
101 111 40CFR 60.4243(b)(2)(ii), NSPS Subpart JJJJ: Compliance Certification
102 112 40CFR 60.4244, NSPS Subpart JJJJ: Test methods and procedures
102 113 40CFR 60.4245(a), NSPS Subpart JJJJ: Compliance Certification
103 114 40CFR 60.4245(c), NSPS Subpart JJJJ: Compliance Certification
104 115 40CFR 60.4245(d), NSPS Subpart JJJJ: Performance test requirements
104 116 40CFR 63.6600(c), Subpart ZZZZ: Compliance Certification
105 117 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
106 118 40CFR 63.6625, Subpart ZZZZ: Compliance Certification
107 119 40CFR 63.6655, Subpart ZZZZ: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level
110 120 ECL 19-0301: Contaminant List
111 121 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
111 122 6 NYCRR 201-6.5 (a): Compliance Demonstration
113 123 6 NYCRR 201-6.5 (a): Compliance Demonstration
113 124 6 NYCRR 201-6.5 (a): Compliance Demonstration
115 125 6 NYCRR 211.1: Air pollution prohibited

NOTE: * preceding the condition number indicates capping.

FEDERALLY ENFORCEABLE CONDITIONS

Renewal 3/DRAFT ****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: **Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

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

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

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

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

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

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

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

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and

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

Item F: **Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

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

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

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

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

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

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

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

ii. The liability of a permittee of the Title V

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

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

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

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

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

i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of 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 the 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 section 201- 6.6 of this Subpart.

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

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

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

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

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

is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item K: **Permit Exclusion - ECL 19-0305**
The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item L: **Federally Enforceable Requirements - 40 CFR 70.6 (b)**
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

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

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

Condition 1: **Acceptable Ambient Air Quality**
Effective for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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

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

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

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

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

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

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

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

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

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective for entire length of Permit

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 for entire length of Permit

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

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

Item 5.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

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

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

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

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

(3) For all other deviations from permit requirements,

the report shall be contained in the 6 month monitoring report required above.

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

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

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

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

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

report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective for entire length of Permit

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

Item 6.1:
The Compliance Certification activity will be performed for the Facility.

Item 6.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

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

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

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

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

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

Chief – Air Compliance Branch
USEPA Region 2 DECA/ACB
290 Broadway, 21st Floor
New York, NY 10007

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 9 Headquarters
700 Delaware Ave.,
Buffalo, NY 14209

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 1/30/2023.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective for entire length of Permit

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 106 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

Condition 8: Recordkeeping requirements
Effective for entire length of Permit

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 for entire length of Permit

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2
Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:
(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
(b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
(c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
(d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
(e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
(f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
(g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
(h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
(i) Prescribed burns performed according to Part 194 of this Title.
(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

The following federally enforceable permit conditions are mandatory for all

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

Condition 10: Maintenance of Equipment
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 200.7

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

Condition 11: Recycling and Salvage
Effective for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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

Item 15.1:
The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: Right to Inspect
Effective for entire length of Permit

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: Required Emissions Tests
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 17.1:
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 18: Accidental release provisions.
Effective for entire length of Permit

Applicable Federal Requirement:40 CFR Part 68

Item 18.1:
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 19: Recycling and Emissions Reduction
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 82, Subpart F

Item 19.1:
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 20: Emission Unit Definition
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 20.1:
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 24,596,520 cubic yards (cy). This includes the Closed 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 and the Area 7/8 Expansion (LNDF4) of 5.1 million 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 20.2:
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 20.3:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: P-00001
Emission Unit Description:
Emission unit P-00001 is a Renewable Energy Facility (REF) consisting of eight (8) Caterpillar 3516 internal combustion reciprocating engines rated at 1148 Bhp per engine. The landfill gas is treated using filtration, dewatering, and compression prior to combustion in the REF. Exhaust gases from the engines vent to the atmosphere.

Building(s): GASPLANT

Condition 21: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 21.2:
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/beneficial use determination (ADC/BUD) material received. The actual total waste acceptance and ADC/BUD rates shall be determined by January 30 of each calendar year.

(2) If the combined total of the actual waste and ADC/BUD acceptance rate exceeds 780,000 tpy (i.e., 600,000 tpy waste and 180,000 ADC/BUD), 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 = 780,000 tons per year.
(c) NMOC concentration = 595 ppmv as hexane
(d) Default values of Lo = 140 m3/Mg, k = 0.04, methane concentration = 50%.

(4) For the purposes of determining waste acceptance rates, waste shall include: municipal solid waste, industrial waste, construction and demolition debris, contaminated soil, sludge, tire waste, and any other solid waste material. Inert materials such as ash, asbestos and

other materials may be excluded from the annual waste acceptance rate calculation.

Parameter Monitored: MUNICIPAL SOLID WASTE
Upper Permit Limit: 780000 tons per year
Monitoring Frequency: ANNUALLY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 22: Progress Reports Due Semiannually
Effective for entire length of Permit

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

Item 22.1:
Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

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

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

Condition 23: Operational Flexibility
Effective for entire length of Permit

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

Item 23.1:
A permit modification is not required for changes that are provided for in the permit. Such changes include approved alternate operating scenarios and changes that have been submitted and approved pursuant to an established operational flexibility protocol and the requirements of this section. Each such change cannot be a modification under any provision of Title I of the Clean Air Act or exceed, or cause the facility to exceed, an emissions cap or limitation in the permit. The facility owner or operator must incorporate all changes into any compliance certifications, record keeping, and/or reporting required by the permit.

Condition 24: Compliance Certification
Effective for entire length of Permit

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

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

Item 24.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Operational Flexibility Plan

I. Protocol Objective

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

II. Protocol

A. Criteria

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

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

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

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

B. Notification Requirements for Changes Reviewed under the Protocol

1. The facility shall notify the Department in writing of

the proposed change.

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

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

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

c. Identification and description of emissions control technology;

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

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

ii. Submit documentation of major NSR program non-applicability for NYSDEC review and approval.

iii. Identify and evaluate the applicability of all regulations likely to be triggered by the new or changed emission source.

iv. Propose any operating and record keeping procedures necessary to ensure compliance.

e. Any other relevant information used for the evaluation of the proposed project or emission source under the Protocol.

C. Review and Approval of Changes

1. The Department shall respond to the permittee in writing with a determination within 15 days of receipt of the notification of the permittee.

2. The Department may require a permit modification, in order to impose new applicable requirements or additional permit conditions if it determines that changes proposed pursuant to notification do not meet the criteria under II. A above or that the changes may have a significant air quality impact or be otherwise potentially significant

under SEQRA (6 NYCRR Part 617).

3. The Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the proposed change, which may include potential air quality impacts and/or applicable requirements. The Department's determination shall include a listing of information required for further review, if necessary.

D. Additional Compliance Obligations for Changes Made Under this Protocol

1. Upon commencement of the change, the facility shall comply with all applicable requirements and permit conditions, including any amended or proposed in accordance with II.A.1.a above.

2. The facility shall provide with the semi-annual monitoring report, a summary of the changes made in accordance with this protocol and a statement of the compliance status of each. Changes reported should include all those made during the corresponding period and any earlier changes that have not yet been incorporated into the permit.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Acceptable procedures
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-1.3 (a)

Item 25.1:
Emission testing, sampling and analytical determinations to ascertain compliance with this Subchapter shall be conducted in accordance with test methods acceptable to the commissioner. The Reference Methods contained in part 60, appendix A and part 61, appendix B of title 40 of the Code of Federal Regulations and all future technical revisions, additions or corrections made thereto shall be considered as acceptable test methods for those sources and contaminants for which they are expressly applicable, except where the commissioner has issued a specific method to be used instead of a Reference Method contained in these Federal regulations or where the commissioner determines that one or more alternate methods are also acceptable. The person who owns or operates an air contamination source shall submit the emission test report in triplicate, to the commissioner within 60 days after the completion of tests. In the event such source owner/operator can demonstrate to the commissioner such time is not sufficient, he may request in writing and be granted an extension. Where an opacity emission standard is applicable to the source tested, the emission test report shall include the opacity observation.

Condition 26: Statement dates for emissions statements.
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-2.4 (a) (3)

Item 26.1:
This facility is required to submit an annual emission statement electronically and these emissions statements must be submitted to the department as per the following schedule:

(i) March 15th of each year for facilities with three or fewer processes listed in their Title V permit:

(ii) March 31st of each year for facilities with four to six processes listed in their Title V permit:

(iii) April 15th of each year for facilities with 7 to 12 processes listed in their Title V permit:

(iv) April 30th of each year for facilities with 13 or more processes listed in their Title V permit.

Condition 27: Visible Emissions Limited
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 211.2

Item 27.1:
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.

Condition 28: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 212-2.4 (b)

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

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

Item 28.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Emissions from any process emission source for which an application was received by the department after July 1, 1973 are restricted as follows:

No facility owner or operator shall cause or allow

emissions of particulate that exceed 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis, except in instances where determination of permissible emission rate using process weight for a specific source category emitting solid particulate is based upon Table 5 and Table 6 of Subdivisions 212-2.5(a) and (b) of this Part.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: USEPA Reference Test Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 29: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 225-1.2 (d)

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

Item 29.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

Owners or operators of emission sources that fire distillate oil are limited to a 0.0015 percent sulfur content by weight of the fuel. Compliance with the sulfur-in-fuel limitation is based on fuel vendor receipts. All fuel vendor receipts must be maintained on site or at a Department approved alternative location for a minimum of five years.

Note - Process sources and incinerators must comply with the above requirements on or after July 1, 2023.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 30: Applicability
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 226-1.1

Item 30.1:
This subpart applies to all owners or operators of facilities who operate cold cleaners, open-top vapor degreasers, and all types of conveyorized degreasers that carry out solvent cleaning processes.

Condition 31: Compliance Certification
Effective for entire length of Permit

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

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

Item 31.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a stationary combustion installation must perform an annual tune-up on each emission source subject to 6 NYCRR Subpart 227-1. Records of the tune-up shall be maintained at the facility or at a Department approved alternative location for a minimum of five years. The records shall, at a minimum, include the date the tune-up(s) occurred and the details of the tune-up procedures for each emission source.

Monitoring Frequency: ANNUALLY
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 32: Applicability of Subpart A General Provisions
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 32.1:
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 33: EPA Region 2 address.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 33.1:
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 34: Date of construction notification - If a COM is not used.
Effective for entire length of Permit

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

Item 34.1:
Any owner or operator subject to this part shall furnish the Administrator with the following information:

1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;

3) a notification of the actual date of initial start up, post marked within 15 days after such date;

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

5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;

6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date.

Condition 35: Compliance Certification
Effective for entire length of Permit

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

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

Item 35.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each six (6) month period (or as appropriate), and shall contain the following information:

1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;

2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;

3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and

4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 36: Excess emissions report.
Effective for entire length of Permit

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

Item 36.1:
A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

Condition 37: Facility files for subject sources.
Effective for entire length of Permit

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

Item 37.1:
The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspections. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 38: Notification Similar to State or Local Agency
Effective for entire length of Permit

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

Item 38.1:
If notification substantially similar to that in 40 CFR Part 60.7(a) is required by any other State or local agency, sending the Administrator a copy of that notification will satisfy the requirements of 40 CFR Part 60.7(a).

Condition 39: Performance testing timeline.
Effective for entire length of Permit

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

Item 39.1:
Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

Condition 40: Performance Test Methods - Waiver
Effective for entire length of Permit

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

Item 40.1:
Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR Part 60 unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternate method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrators satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.

Condition 41: Required performance test information.
Effective for entire length of Permit

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

Item 41.1:
Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operator of the facility.

Condition 42: Prior notice.
Effective for entire length of Permit

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

Item 42.1:
The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

Condition 43: Performance testing facilities.
Effective for entire length of Permit

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

Item 43.1:
The following performance testing facilities shall be provided during all tests:

1) sampling ports adequate for tests methods applicable to such facility;

2) a safe sampling platform;

3) a safe access to the sampling platform; and

4) utilities for sampling and testing equipment.

Condition 44: Number of required tests.
Effective for entire length of Permit

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

Item 44.1:
Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

Condition 45: Availability of information.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 45.1:
The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by 40 CFR Part 2.

Condition 46: Opacity standard compliance testing.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 46.1:
The following conditions shall be used to determine compliance with the opacity standards:

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A of 40 CFR Part 60(or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

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

Condition 47: Circumvention.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 47.1:
No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 48: Modifications.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 48.1:
Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

Condition 49: Reconstruction
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 49.1:
The following shall be submitted to the Administrator prior to reconstruction (as defined in section 60.15):

1) a notice of intent to reconstruct 60 days (or as soon as practicable) prior to the action;

2) name and address of the owner or operator;

3) the location of the existing facility;

4) a brief description of the existing facility and the components to be replaced;

5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;

6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;

7) the estimated life of the facility after the replacements; and

8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

Condition 50: National Emission Standard for Asbestos
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 61, NESHAP Subpart M

Item 50.1:
The permittee shall comply with all applicable provisions of 40 CFR Part 61, Subpart M.

Condition 51: Asbestos-containing waste material standard for active waste disposal sites
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 61.154, NESHAP Subpart M

Item 51.1:
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 52: General Provisions
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63, Subpart A

Item 52.1:
This emission source is subject to the applicable provisions of 40 CFR 63 Subpart A. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

Condition 53: Gas Collection and Control System Installation and Removal Requirements
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1957, Subpart AAAA

Item 53.1:

(a) Operation. The owner or operator of a municipal solid waste landfill must operate the

collection and control device in accordance with the provisions of 40 CFR Part 63.1958, 63.1960, and 63.1961.

(b) Removal criteria. The collection and control system may be capped, removed, or decommissioned if the following criteria are met:

(1) The landfill is a closed landfill (as defined in 40 CFR Part 63.1990). A closure report must be submitted to the Department as provided in 40 CFR Part 63.1981(f);

(2) The gas collection and control system has been in operation a minimum of 15 years or the landfill owner or operator demonstrates that the gas collection and control system will be unable to operate for 15 years due to declining gas flow; and

(3) Following the procedures specified in 40 CFR Part 63.1959(c), the calculated NMOC emission rate at the landfill is less than 50 megagrams per year on three successive test dates. The test dates must be no less than 90 days apart, and no more than 180 days apart.

Condition 54: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1958(a), Subpart AAAA

Item 54.1:
The Compliance Certification activity will be performed for the Facility.

Item 54.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each owner or operator of a municipal solid waste landfill with a gas collection and control system used to comply with the provisions of 40 CFR Part 63.1957 must operate the collection system such that gas is collected from each area, cell, or group of cells in the MSW landfill in which solid waste has been in place for:

(1) 5 years or more if active; or

(2) 2 years or more if closed or at final grade;

The owner or operator shall operate the control system at all times when the collected gas is routed to the system and ensure that all collected gases are vented to a control system designed and operated in compliance with 40 CFR 63.1959(b)(2)(iii).

In the event the collection or control system is not

operating, the gas mover system must be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere must be closed within 1 hour of the collection or control system not operating. Efforts to repair the collection or control system must be initiated and completed in a manner such that downtime is kept to a minimum, and the collection and control system must be returned to operation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 55: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1958(b), Subpart AAAA

Item 55.1:
The Compliance Certification activity will be performed for the Facility.

Item 55.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

Each owner or operator of a municipal solid waste landfill with a gas collection and control system used to comply with the provisions of 40 CFR 63.1957 must operate the collection system with negative pressure at each wellhead except under the following conditions:

(1) A fire or increased well temperature. The owner or operator must record instances when positive pressure occurs in efforts to avoid a fire. These records must be submitted with the semi-annual reports as provided in 40 CFR 63.1981(h);

(2) Use of a geomembrane or synthetic cover. The owner or operator must develop acceptable pressure limits in the design plan;

(3) A decommissioned well. A well may experience a static positive pressure after shut-down to accommodate for declining flows. All design changes must be approved by DEC as specified in 40 CFR 63.1981(d)(2).

If monitoring demonstrates that the operational requirements described above are not met, corrective

action must be taken as specified in 40 CFR 63.1960(a)(3) and (5) or (c). If corrective actions are taken as specified in 40 CFR 63.1960, the monitored exceedence is not a deviation of the operational requirements in 40 CFR 63.1958.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: LANDFILL GAS
Parameter Monitored: PRESSURE
Upper Permit Limit: 0 pounds per square inch gauge
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.
Subsequent reports are due every 6 calendar month(s).

Condition 56: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1958(c), Subpart AAAA

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

Item 56.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

Each owner or operator of a municipal solid waste landfill with a gas collection and control system used to comply with the provisions of 40 CFR 63.1957 must operate each interior wellhead in the collection system with a landfill gas temperature less than 62.8 degrees Celsius (145 degrees Fahrenheit).

The owner or operator may establish a higher operating temperature value at a particular well. A higher operating value demonstration must be submitted to DEC for approval and must include supporting data demonstrating that the elevated parameter neither causes fires nor significantly inhibits anaerobic decomposition by killing methanogens. The demonstration must satisfy both criteria in order to be approved (i.e., neither causing fires nor killing methanogens is acceptable).

If monitoring demonstrates that the operational requirements describe above are not met, corrective action must be taken as specified in 40 CFR 63.1960(a)(3) and (5) or (c). If corrective actions are taken as specified in 40

CFR 63.1960, the monitored exceedence is not a deviation of the operational requirements in 40 CFR 63.1958.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: LANDFILL GAS
Parameter Monitored: TEMPERATURE
Upper Permit Limit: 62.7 degrees Centigrade (or Celsius)
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.
Subsequent reports are due every 6 calendar month(s).

Condition 57: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1958(d), Subpart AAAA

Item 57.1:
The Compliance Certification activity will be performed for the Facility.

Item 57.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING
Monitoring Description:

Each owner or operator of a municipal solid waste landfill with a gas collection and control system used to comply with the provisions of 40 CFR 63.1957 must 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 must conduct surface testing around the perimeter of the collection area and along a pattern that traverses the landfill at no more than 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 must be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30-meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing. The owner or operator must:

(i) Conduct surface testing using an organic vapor

analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR 63.1960(d).

(ii) Conduct surface testing at all cover penetrations. Thus, the owner or operator must monitor any cover penetrations that are within an area of the landfill where waste has been placed and a gas collection system is required.

(iii) Determine the latitude and longitude coordinates of each exceedence using an instrument with an accuracy of at least 4 meters. The coordinates must be in decimal degrees with at least five decimal places.

If monitoring demonstrates that the operational requirements described above are not met, corrective action must be taken as specified in 40 CFR 63.1960(a)(3) and (5) or (c). If corrective actions are taken as specified in 40 CFR 63.1960, the monitored exceedence is not a deviation of the operational requirements in 40 CFR 63.1958.

Parameter Monitored: METHANE
Upper Permit Limit: 499 parts per million (by volume)
above background measurements
Monitoring Frequency: QUARTERLY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 58: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1959(b), Subpart AAAA

Item 58.1:
The Compliance Certification activity will be performed for the Facility.

Item 58.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(b) The owner or operator of an MSW landfill having a design capacity equal to or greater than 2.5 million megagram and 2.5 million cubic meters must either comply with item (b)(2) below or calculate an NMOC emission rate for the landfill using the procedures specified in 40 CFR 63.1959(a). The NMOC emission rate must be recalculated

annually, except as provided in 40 CFR 63.1981(c)(1)(ii)(A).

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

(i) Submit an annual NMOC emission rate emission report to the Department, except as provided for in 40 CFR 63.1981(c)(1)(ii); and

(ii) Recalculate the NMOC emission rate annually using the procedures specified in 40 CFR 63.1959(a)(1) until such time as the calculated NMOC emission rate is equal to or greater than 50 megagrams per year, or the landfill is closed.

(A) If the calculated NMOC emission rate, upon initial calculation or annual recalculation required in item (b)(1) above, is equal to or greater than 50 megagrams per year, the owner or operator must either: comply with item (b)(2) below or calculate NMOC emissions using the next higher tier in 40 CFR 63.1959(a).

(B) If the landfill is permanently closed, a closure report must be submitted to the Department as provided for in 40 CFR 63.1981(f).

(2) If the calculated NMOC emission rate is equal to or greater than 50 megagrams per year using Tier 1, 2, or 3 procedures, the owner or operator must either:

(i) Submit a collection and control system design plan prepared by a professional engineer to the Department within 1 year as specified in 40 CFR 63.1981(d) or calculate NMOC emissions using the next higher tier in 40 CFR 63.1959(a). The collection and control system must meet the requirements in items (b)(2)(ii) and (iii) below.

(ii) Collection system. Install and start up a collection and control system that captures the gas generated within the landfill as required by items (b)(2)(ii)(B) or (C) and (b)(2)(iii) within 30 months after:

(A) The first annual report in which the NMOC emission rate equals or exceeds 50 megagrams per year, unless Tier 2 or Tier 3 sampling demonstrates that the NMOC emission rate is less than 50 megagrams.

(B) An active collection system must:

(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 system equipment;

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

(3) Collect gas at a sufficient extraction rate; and

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

(C) A passive collection system must:

(1) Comply with the provisions specified in items (b)(2)(ii)(B)(1), (2), and (3) above; and

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

(iii) Control system. Route all the collected gas to a control system that complies with the requirements in either items (b)(2)(iii)(A), (B), or (C) below.

(A) A non-enclosed flare designed and operated in accordance with the parameters established in 40 CFR 63.11(b) except as noted in 40 CFR 63.1959(f); or

(B) A control system 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 must be established by an initial performance test to be completed no later than 180 days after the initial start-up of the approved control system using the test methods specified in 40 CFR 63.1959(e). The performance test is not required for boilers and process heaters with design heat input capacities equal to or greater than 44 megawatts that burn landfill gas for compliance with 40 CFR Part 63, Subpart AAAA.

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

(2) The control device must be operated within the parameter ranges established during the initial or most recent performance test. The operating parameters to be monitored are specified in 40 CFR 63.1961(b) through (e);

(C) A treatment system that processes the collected gas for subsequent sale or beneficial use such as fuel for combustion, production of vehicle fuel, production of high-British thermal unit (Btu) gas for pipeline injection, or use as a raw material in a chemical manufacturing process. Venting of treated landfill gas to the ambient air is not allowed. If the treated landfill gas cannot be routed for subsequent sale or beneficial use, then the treated landfill gas must be controlled according to either items (b)(2)(iii)(A) or (B) above.

(D) All emissions from any atmospheric vent from the gas treatment system are subject to the requirements of items (b)(2)(iii)(A) or (B) above. For purposes of 40 CFR Part 63, Subpart AAAA, atmospheric vents located on the condensate storage tank are not part of the treatment system and are exempt from the requirements of items (b)(2)(iii)(A) or (B) above.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 59: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1959(c), Subpart AAAA

Item 59.1:
The Compliance Certification activity will be performed for the Facility.

Item 59.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

After the installation and start-up of a collection and control system in compliance with 40 CFR Part 63, Subpart AAAA, the owner or operator must calculate the NMOC emission rate for purposes of determining when the system can be capped, removed, or decommissioned as provided in 40 CFR 63.1957(b)(3), using the following

equation:

MNMOC = 1.89 x 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 = Average NMOC concentration, parts per million by volume as hexane.

1.89 x 10-3 = Conversion factor

(1) The flow rate of landfill gas, QLFG, must be determined by measuring the total landfill gas flow rate at the common header pipe that leads to the control system using a gas flow measuring device calibrated according to the provisions of section 10 of EPA Method 2E of 40 CFR Part 60 appendix A-1.

(2) The average NMOC concentration, CNMOC, must 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 EPA Method 25 or Method 25C of 40 CFR Part 60 appendix A-7. The sample location on the common header pipe must be before any condensate removal or other gas refining units. The landfill owner or operator must divide the NMOC concentration from EPA Method 25 or Method 25C by six to convert from CNMOC as carbon to CNMOC as hexane.

(3) 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 DEC.

(i) Within 60 days after the date of completing each performance test (as defined in 40 CFR 63.7) the owner or operator must submit the results of the performance test, including any associated fuel analyses, according to 40 CFR 63.1981(i).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 60: Compliance Certification

Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1959(d), Subpart AAAA

Item 60.1:
The Compliance Certification activity will be performed for the Facility.

Item 60.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a municipal solid waste landfill must use the following test methods and procedures for the performance test required in 40 CFR 63.1959(b)(2)(iii)(B):

(1) EPA Method 25 or 25C (40 CFR Part 60, appendix A-7, may be used at the inlet only) of 40 CFR Part 60, appendix A, must be used to determine compliance with the 98 weight-percent efficiency or the 20 parts per million by volume outlet NMOC concentration level, unless another method to demonstrate compliance has been approved by the DEC as provided by 40 CFR Part 63.1981(d)(2).

(2) EPA Method 3, 3A, or 3C of 40 CFR Part 60, appendix A-7, must 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 parts per million NMOC as carbon (8 parts per million NMOC as hexane), EPA Method 25A should be used in place of EPA Method 25. EPA Method 18 may be used in conjunction with EPA Method 25A on a limited basis (compound specific, e.g., methane) or EPA Method 3C may be used to determine methane. The methane as carbon should be subtracted from the EPA Method 25A total hydrocarbon value as carbon to give NMOC concentration as carbon. The landfill owner or operator must divide the NMOC concentration as carbon by 6 to convert from the CNMOC as carbon to CNMOC as hexane.

The following equation must 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 61: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1959(e), Subpart AAAA

Item 61.1:
The Compliance Certification activity will be performed for the Facility.

Item 61.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a municipal solid waste landfill must use the following test methods and procedures for the performance test required in 40 CFR 63.1959(b)(2)(iii)(A):

The net heating value of the combusted landfill gas as determined in 40 CFR 63.11(b)(6)(ii) is calculated from the concentration of methane in the landfill gas as measured by EPA Method 3C of 40 CFR Part 60, appendix A. A minimum of three 30-minute EPA Method 3C samples are determined. The measurement of other organic components, hydrogen, and carbon monoxide is not applicable. EPA Method 3C may be used to determine the landfill gas molecular weight for calculating the flare gas exit velocity under 40 CFR Part 63.11(b)(7) of Subpart A.

Within 60 days after the date of completing each performance test (as defined in 40 CFR 63.7), the owner or operator must submit the results of the performance tests, including any associated fuel analyses, required by 40 CFR 63.1959(c) or (e) according to 40 CFR 63.1981(l)(1).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 62: Compliance Determination Methods
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1960(a), Subpart AAAA

Item 62.1:

Except as provided in 40 CFR 63.1981(d)(2), the specified methods in items (1) through (5) below must be used to determine whether the gas collection system is in compliance with 40 CFR 63.1959(b)(2)(ii).

(1) For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with 40 CFR 63.1959(b)(2)(ii)(C)(1), either Equation (i) or Equation (ii) must be used. The owner or operator may use another method to determine the maximum gas generation flow rate, if the method has been approved by the Department. The methane generation rate constant (k) and methane generation potential (Lo) kinetic factors used 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 Department. If k has been determined as specified in 40 CFR 63.1959(a)(4), the value of k determined from the test must be used. A value of no more than 15 years must 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.

(i) For sites with unknown year-to-year solid waste acceptance rate:

Qm = 2LoR (e-kc - e-kt)

Where:

Qm = Maximum expected gas generation flow rate, cubic meters per year.

Lo = Methane generation potential, cubic meters per megagram solid waste.

R = Average annual acceptance rate, megagrams per year.

k = Methane generation rate constant, year-1.

t = Age of the landfill at equipment installation plus the time the owner or operator intends to use the gas mover equipment or active life of the landfill, whichever is less. If the equipment is installed after closure, t is the age of the landfill at installation, years.

c = Time since closure, years (for an active landfill c = 0 and e-kc = 1).

2 =Constant.

(ii) For sites with known year-to-year solid waste acceptance rate:

QM = S(i=1, n) 2kLoMi(e-kti)

Where:

QM = Maximum expected gas generation flow rate, cubic meters per year.

k = Methane generation rate constant, year-1.

Lo = Methane generation potential, cubic meters per megagram solid waste.

Mi = Mass of solid waste in the ith section, megagrams.

ti = Age of the ith section, years.

(iii) 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, Equation (i) or Equation (ii) 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 Equation (i) or Equation (ii) above or other methods must be used to predict the maximum expected gas generation rate over the intended period of use of the gas control system equipment.

(2) For the purposes of determining sufficient density of gas collectors for compliance with 40 CFR 63.1959(b)(2)(ii)(B)(2), the owner or operator must design a system of vertical wells, horizontal collectors, or other collection devices, satisfactory to the Department, capable of controlling and extracting gas from all portions of the landfill sufficient to meet all operational and performance standards.

(3) For the purpose of demonstrating whether the gas collection system flow rate is sufficient to determine compliance with 40 CFR 63.1959(b)(2)(ii)(B)(3), the owner or operator must measure gauge pressure in the gas collection header applied to each individual well monthly. Any attempted corrective measure must not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the Department for approval. If a positive pressure exists, follow the procedures as specified in 40 CFR 60.755(a)(3), except:

(i) If a positive pressure exists, action must be initiated to correct the exceedance within 5 days, except for the three conditions allowed under 40 CFR 63.1958(b).

(A) If negative pressure cannot be achieved without excess air infiltration within 15 days of the first measurement of positive pressure, the owner or operator must conduct a root cause analysis and correct the exceedance as soon as practicable, but no later than 60 days after positive pressure was first measured. The owner or operator must keep records according to 40 CFR 63.1983(e)(3).

(B) If corrective actions cannot be fully implemented within 60 days following the positive pressure measurement for which the root cause analysis was required, the owner or operator must also conduct a corrective action analysis and develop an implementation schedule to complete the corrective action(s) as soon as practicable, but no more than 120 days following the positive pressure measurement. The owner or operator must submit the items listed in 40 CFR 63.1981(h)(7) as part of the next semi-annual report. The owner or operator must keep records according to 40 CFR 63.1983(e)(4).

(C) If corrective action is expected to take longer than 120 days to complete after the initial exceedance, the owner or operator must submit the root cause analysis, corrective action analysis, and corresponding implementation timeline to the Department, according to 40 CFR 63.1981(j). The owner or operator must keep records according to 40 CFR 63.1983(e)(5).

(4) Where an owner or operator subject to the provisions of 40 CFR Part 63, Subpart AAAA,

seeks to demonstrate compliance with the temperature and nitrogen or oxygen operational standards in 40 CFR 63.1958(c), for the purpose of identifying whether excess air infiltration into the landfill is occurring, the owner or operator must follow the procedures as specified in 40 CFR 60.755(a)(5), except:

(i) Once an owner or operator subject to the provisions of 40 CFR Part 63, Subpart AAAA, seeks to demonstrate compliance with the operational standard for temperature in 40 CFR 63.1958(c)(1), the owner or operator must monitor each well monthly for temperature. If a well exceeds the operating parameter for temperature as provided in 40 CFR 63.1958(c)(1), action must be initiated to correct the exceedance within 5 days. Any attempted corrective measure must not cause exceedances of other operational or performance standards.

(A) If a landfill gas temperature less than or equal to 62.8 degrees Celsius (145 degrees Fahrenheit) cannot be achieved within 15 days of the first measurement of landfill gas temperature greater than 62.8 degrees Celsius (145 degrees Fahrenheit), the owner or operator must conduct a root cause analysis and correct the exceedance as soon as Practicable, but no later than 60 days after a landfill gas temperature greater than 62.8 degrees Celsius (145 degrees Fahrenheit) was first measured. The owner or operator must keep records according to 40 CFR 63.1983(e)(3).

(B) If corrective actions cannot be fully implemented within 60 days following the temperature measurement for which the root cause analysis was required, the owner or operator must also conduct a corrective action analysis and develop an implementation schedule to complete the corrective action(s) as soon as practicable, but no more than 120 days following the measurement of landfill gas temperature greater than 62.8 degrees Celsius (145 degrees Fahrenheit). The owner or operator must submit the items listed in 40 CFR 63.1981(h)(7) as part of the next semi-annual report. The owner or operator must keep records according to 40 CFR 63.1983(e)(4).

(C) If corrective action is expected to take longer than 120 days to complete after the initial exceedance, the owner or operator must submit the root cause analysis, corrective action analysis, and corresponding implementation timeline to the Department, according to 40 CFR 63.1981(h)(7) and (j). The owner or operator must keep records according to 40 CFR 63.1983(e)(5).

(D) If a landfill gas temperature measured at either the wellhead or at any point in the well is greater than or equal to 76.7 degrees Celsius (170 degrees Fahrenheit) and the carbon monoxide concentration measured, according to the procedures in 40 CFR 63.1961(a)(5)(vi) is greater than or equal to 1,000 parts per million by volume the corrective action(s) for the wellhead temperature standard (62.8 degrees Celsius or 145 degrees Fahrenheit) must be completed within 15 days.

(5) An owner or operator seeking to demonstrate compliance with 40 CFR 63.1959(b)(2)(ii)(B)(4) through the use of a collection system not conforming to the specifications provided in 40 CFR 63.1962 must provide information satisfactory to the Department as specified in 40 CFR 63.1981(d)(3) demonstrating that off-site migration is being controlled.

Condition 63: Well Installation Schedule
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1960(b), Subpart AAAA

Item 63.1:

In order to demonstrate compliance with 40 CFR 63.1958(a), each owner or operator of a controlled landfill must place each well or design component as specified in the approved design plan as provided in 40 CFR 63.1981(b). Each well must be installed no later than 60 days after the date on which the initial solid waste has been in place for a period of:

(1) Five (5) years or more if active; or

(2) Two (2) years or more if closed or at final grade.

Condition 64: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1960(c), Subpart AAAA

Item 64.1:
The Compliance Certification activity will be performed for the Facility.

Item 64.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a municipal solid waste landfill must use the following procedures to demonstrate compliance with the surface methane operational standard as provided in 40 CFR 63.1958(d).

(1) After installation and start-up of the gas collection system, the owner or operator must 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 provided in 40 CFR 63.1960(d).

(2) The background concentration must 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 must be performed in accordance with section 8.3.1 of EPA Method 21 of 40 CFR Part 60, appendix A-7, except that the probe inlet must be placed within 5 to 10 centimeters of the ground.

Monitoring must be performed during typical meteorological conditions.

(4) Any reading of 500 parts per million or more above background at any location must be recorded as a monitored exceedance and the actions specified in items (i) through (v) below must be taken. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements of 40 CFR 63.1958(d).

(i) The location of each monitored exceedance must be marked and the location and concentration recorded. The location must be recorded using an instrument with an accuracy of at least 4 meters. The coordinates must be in decimal degrees with at least five decimal places.

(ii) Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance must be made and the location must be re-monitored within 10 days of detecting the exceedance.

(iii) If the re-monitoring of the location shows a second exceedance, additional corrective action must be taken and the location must 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 item (v) below must be taken, and no further monitoring of that location is required until the action specified in item (v) below has been taken.

(iv) Any location that initially showed an exceedance but has a methane concentration less than 500 parts per million above background at the 10-day re-monitoring specified in item (ii) or (iii) above must 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 item (iii) or (v) must 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 must be installed within 120 days of the initial exceedance. An alternative remedy to the exceedance, such as upgrading the blower, header pipes or control device, and a corresponding time line for installation may be submitted to the Department for approval.

(5) The owner or operator must implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 65: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1960(d), Subpart AAAA

Item 65.1:
The Compliance Certification activity will be performed for the Facility.

Item 65.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a municipal solid waste landfill seeking to comply with the provisions of 40 CFR 63.1960(c) must comply with the following instrumentation specifications and procedures for surface emission monitoring devices:

(1) The portable analyzer must meet the instrument specifications provided in section 6 of Method 21 of 40 CFR Part 60 appendix A, except that “methane” replaces all references to “VOC”.

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

(3) To meet the performance evaluation requirements in section 8.1 of EPA Method 21 of 40 CFR Part 60 appendix A, the instrument evaluation procedures of section 8.1 of EPA Method 21 of 40 CFR Part 60 appendix A must be used.

(4) The calibration procedures provided in sections 8 and 10 of EPA Method 21 of 40 CFR Part 60 appendix A must 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.
Subsequent reports are due every 6 calendar month(s).

Condition 66: Provisions Apply at All Times
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1960(e), Subpart AAAA

Item 66.1:

Once an owner or operator of a municipal solid waste landfill is subject to the provisions of 40 CFR Part 63, Subpart AAAA seeks to demonstrate compliance with the operational standard in 40 CFR 63.1958(e)(1), the provisions of 40 CFR Part 63, Subpart AAAA apply at all times, including periods of startup, shutdown, or malfunction. During periods of startup, shutdown, or malfunction, the owner or operator must comply with the work practice requirement specified in 40 CFR 63.1958(e) in lieu of the compliance provisions in 40 CFR 63.1960.

Condition 67: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1961(a), Subpart AAAA

Item 67.1:
The Compliance Certification activity will be performed for the Facility.

Item 67.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) The owner or operator of a municipal solid waste landfill seeking to comply with 40 CFR 63.1959(b)(2)(ii)(B) for an active gas collection system must install a sampling port and a thermometer, other temperature measuring device, or an access port for temperature measurements at each wellhead and:

(1) Measure the gauge pressure in the gas collection header on a monthly basis as provided in 40 CFR 63.1960(a)(3); and

(2) Monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as follows:

(i) The nitrogen level must be determined using EPA Method 3C of 40 CFR Part 60, appendix A-2, unless an alternative test method is established as allowed by 40 CFR 63.1981(d)(2).

(ii) Unless an alternative test method is established as allowed by 40 CFR 63.1981(d)(2), the oxygen level must be determined by an oxygen meter using EPA Method 3A or 3C of 40 CFR Part 60, appendix A-2 or ASTM D6522-11 (incorporated by reference, see 40 CFR 63.14). Determine the oxygen level by an oxygen meter using EPA Method 3A or 3C of 40 CFR Part 60, appendix A-2 or ASTM D6522-11 (if sample location is prior to combustion) except that:

(A) The span must be set between 10- and 12-percent oxygen;

(B) A data recorder is not required;

(C) Only two calibration gases are required, a zero and span;

(D) A calibration error check is not required; and

(E) The allowable sample bias, zero drift, and calibration drift are ±10 percent.

(iii) A portable gas composition analyzer may be used to monitor the oxygen levels provided:

(A) The analyzer is calibrated; and

(B) The analyzer meets all quality assurance and quality control requirements for EPA Method 3A of 40 CFR Part 60, appendix A-2 or ASTM D6522-11 (incorporated by reference, see 40 CFR 63.14).

(3) Where an owner or operator subject to the provisions of 40 CFR Part 63, Subpart AAAA, seeks to demonstrate compliance with the temperature and nitrogen or oxygen operational standards in 40 CFR 63.1958(c), the owner or operator must follow the procedures as specified in 40 CFR 60.756(a)(2) and (3). Monitor temperature of the landfill gas on a monthly basis as provided in 40 CFR 63.1960(a)(4). The temperature measuring device must be calibrated annually using the procedure in Section 10.3 of EPA Method 2 of 40 CFR Part 60, appendix A-1.

(4) Where an owner or operator subject to the provisions of 40 CFR Part 63, Subpart AAAA, seeks to demonstrate compliance with the operational standard for temperature in 40 CFR 63.1958(c)(1), monitor temperature of the landfill gas on a monthly basis as provided in 40 CFR 63.1960(a)(4). The temperature measuring device must be calibrated annually using the procedure in Section 10.3 of

EPA Method 2 of 40 CFR Part 60, appendix A-1. Keep records specified in 40 CFR 63.1983(e).

(5) Where an owner or operator subject to the provisions of 40 CFR Part 63, Subpart AAAA seeks to demonstrate compliance with the operational standard for temperature in 40 CFR 63.1958(c)(1), unless a higher operating temperature value has been approved by the Department under 40 CFR Part 63, Subpart AAAA or under 40 CFR Part 60, Subpart WWW; 40 CFR Part 60, Subpart XXX; or a federal plan or EPA-approved and effective state plan or tribal plan that implements either 40 CFR Part 60, Subpart Cc or 40 CFR Part 60, Subpart Cf, the owner or operator must initiate enhanced monitoring at each well with a measurement of landfill gas temperature greater than 62.8 degrees Celsius (145 degrees Fahrenheit) as follows:

(i) Visual observations for subsurface oxidation events (smoke, smoldering ash, damage to well) within the radius of influence of the well.

(ii) Monitor oxygen concentration as provided in 40 CFR 63.1961(a)(2);

(iii) Monitor temperature of the landfill gas at the wellhead as provided in 40 CFR 63.1961(a)(4).

(iv) Monitor temperature of the landfill gas every 10 vertical feet of the well as provided in 40 CFR 63.1961(a)(6).

(v) Monitor the methane concentration with a methane meter using EPA Method 3C of 40 CFR Part 60, appendix A-6, EPA Method 18 of 40 CFR Part 60, appendix A-6, or a portable gas composition analyzer to monitor the methane levels provided that the analyzer is calibrated and the analyzer meets all quality assurance and quality control requirements for EPA Method 3C or EPA Method 18.

(vi) Monitor carbon monoxide concentrations, as follows:

(A) Collect the sample from the wellhead sampling port in a passivated canister or multilayer foil gas sampling bag (such as the Cali-5-Bond Bag) and analyze that sample using EPA Method 10 of 40 CFR Part 60, appendix A-4, or an equivalent method with a detection limit of at least 100 parts per million by volume of carbon monoxide in high concentrations of methane; and

(B) Collect and analyze the sample from the wellhead using

EPA Method 10 of 40 CFR Part 60, appendix A-4 to measure carbon monoxide concentrations.

(vii) The enhanced monitoring in item (a)(5) above must begin 7 days after the first measurement of landfill gas temperature greater than 62.8 degrees Celsius (145 degrees Fahrenheit); and

(viii) The enhanced monitoring in item (a)(5) above must be conducted on a weekly basis. If four consecutive weekly carbon monoxide readings are under 100 parts per million by volume, then enhanced monitoring may be decreased to monthly. However, if carbon monoxide readings exceed 100 parts per million by volume again, the landfill must return to weekly monitoring.

(ix) The enhanced monitoring in item (a)(5) above can be stopped once a higher operating value is approved, at which time the monitoring provisions issued with the higher operating value should be followed, or once the measurement of landfill gas temperature at the wellhead is less than or equal to 62.8 degrees Celsius (145 degrees Fahrenheit).

(6) For each wellhead with a measurement of landfill gas temperature greater than or equal to 73.9 degrees Celsius (165 degrees Fahrenheit), annually monitor temperature of the landfill gas every 10 vertical feet of the well. This temperature can be monitored either with a removable thermometer, or using temporary or permanent thermocouples installed in the well.

The monitoring requirements of this condition apply at all times the affected source is operating, except for periods of monitoring system malfunctions, repairs associated with monitoring system malfunctions, and required monitoring system quality assurance or quality control activities. A monitoring system malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring system failures that are caused in part by poor maintenance or careless operation are not malfunctions. The owner or operator is required to complete monitoring system repairs in response to monitoring system malfunctions and to return the monitoring system to operation as expeditiously as practicable. Where an owner or operator subject to the provisions of 40 CFR Part 63, Subpart AAAA, seeks to demonstrate compliance with the temperature and nitrogen or oxygen operational standards in 40 CFR 63.1958(c)(1), (d)(2), and (e)(1), the standards apply at all times.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 68: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1961(b), Subpart AAAA

Item 68.1:
The Compliance Certification activity will be performed for the Facility.

Item 68.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a municipal solid waste landfill seeking to comply with 40 CFR 63.1959(b)(2)(iii) using an enclosed combustor must calibrate, maintain, and operate according to the manufacturer's specifications, the following equipment:

(1) 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.

(2) A device that records flow to the control device and bypass of the control device (if applicable). The owner or operator must:

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

(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 must 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.

The monitoring requirements of this condition apply at all times the affected source is operating, except for periods of monitoring system malfunctions, repairs associated with monitoring system malfunctions, and required monitoring system quality assurance or quality control activities. A

monitoring system malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring system failures that are caused in part by poor maintenance or careless operation are not malfunctions. The owner or operator is required to complete monitoring system repairs in response to monitoring system malfunctions and to return the monitoring system to operation as expeditiously as practicable. Where an owner or operator subject to the provisions of 40 CFR Part 63, Subpart AAAA, seeks to demonstrate compliance with the temperature and nitrogen or oxygen operational standards in 40 CFR 63.1958(c)(1), (d)(2), and (e)(1), the standards apply at all times.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 69: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1961(c), Subpart AAAA

Item 69.1:
The Compliance Certification activity will be performed for the Facility.

Item 69.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a municipal solid waste landfill seeking to comply with 40 CFR 63.1959(b)(2)(iii) using a non-enclosed flare must install, calibrate, maintain, and operate according to the manufacturer's specifications the following equipment:

(1) 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.

(2) A device that records flow to the flare and bypass of the flare (if applicable). The owner or operator must:

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

(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 must 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.

The monitoring requirements of this condition apply at all times the affected source is operating, except for periods of monitoring system malfunctions, repairs associated with monitoring system malfunctions, and required monitoring system quality assurance or quality control activities. A monitoring system malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring system failures that are caused in part by poor maintenance or careless operation are not malfunctions. The owner or operator is required to complete monitoring system repairs in response to monitoring system malfunctions and to return the monitoring system to operation as expeditiously as practicable. Where an owner or operator subject to the provisions of 40 CFR Part 63, Subpart AAAA seeks to demonstrate compliance with the temperature and nitrogen or oxygen operational standards in 40 CFR 63.1958(c)(1), (d)(2), and (e)(1), the standards apply at all times.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1961(f), Subpart AAAA

Item 70.1:
The Compliance Certification activity will be performed for the Facility.

Item 70.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING
Monitoring Description:

The owner or operator seeking to demonstrate compliance with the 500 parts per million (ppm) surface methane operational standard in 40 CFR 63.1958(d) must monitor surface concentrations of methane according to the procedures in 40 CFR 63.1960(c) and the instrument specifications in 40 CFR 63.1960(d).

If the owner or operator is complying with the 500 ppm surface methane operational standard in 40 CFR 63.1958(d)(2), for location, you must determine the latitude and longitude coordinates of each exceedance using an instrument with an accuracy of at least 4 meters and the coordinates must be in decimal degrees with at least five decimal places. In the semiannual report required by 40 CFR 63.1981(h), the owner or operator must report the location of each exceedance of the 500 ppm methane concentration as provided in 40 CFR 63.1958(d) and the concentration recorded at each location for which an exceedance was recorded in the previous month.

Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may switch 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.

Parameter Monitored: METHANE
Upper Permit Limit: 500 parts per million (by volume)
above background measurements
Reference Test Method: Method 21 of 40 CFR Part 60, appendix A-7
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 71: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1962(a), Subpart AAAA

Item 71.1:
The Compliance Certification activity will be performed for the Facility.

Item 71.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Each owner or operator seeking to comply with 40 CFR 63.1959(b)(2)(i) must 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 Department as provided in 40 CFR 63.1981(d)(2) and

(3).

(1) The collection devices within the interior must be certified to achieve comprehensive control of surface gas emissions by a professional engineer. The following issues must 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, resistance to the refuse decomposition heat, and ability to isolate individual components or sections for repair or troubleshooting without shutting down entire collection system.

(2) The sufficient density of gas collection devices determined in paragraph (1) above must 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 must control all gas producing areas, except as provided by paragraphs (i) and (ii) below.

(i) Any segregated area of asbestos or nondegradable material may be excluded from collection if documented as provided under 40 CFR 63.1983(d). The documentation must provide the nature, date of deposition, location and amount of asbestos or nondegradable material deposited in the area and must be provided to the Department 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 must be documented and provided to the Department upon request. A separate NMOC emissions estimate must be made for each section proposed for exclusion, and the sum of all such sections must be compared to the NMOC emissions estimate for the entire landfill.

(A) The NMOC emissions from each section proposed for exclusion must be computed using the following equation:

Qi = 2k LoMi(e-kti) (CNMOC) (3.6x10-9)

Where:

Qi = NMOC emission rate from the ith section, megagrams per year.

k = Methane generation rate constant, year-1.

Lo = Methane generation potential, cubic meters per megagram solid waste.

Mi = Mass of the degradable solid waste in the ith section, megagram.

ti = Age of the solid waste in the ith section, years.

CNMOC = Concentration of NMOC, parts per million by volume.

3.6×10-9 = Conversion factor.

(B) If the owner or operator is proposing to exclude, or cease gas collection and control from, nonproductive physically separated (e.g., separately lined) closed areas that already have gas collection systems, NMOC emissions from each physically separated closed area must be computed using either Equation 3 in 40 CFR 63.1959(c) or the equation in item (3)(ii)(A) above.

(iii) The values for k and CNMOC determined in field testing must be used if field testing has been performed in determining the NMOC emission rate or the radii of influence (the distance from the well center to a point in the landfill where the pressure gradient applied by the blower or compressor approaches zero). If field testing has not been performed, the default values for k, Lo, and CNMOC provided in 40 CFR 63.1959(a)(1) or the alternative values from 40 CFR 63.1959(a)(5) must 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 item (3)(i) above.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 72: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1962(b), Subpart AAAA

Item 72.1:
The Compliance Certification activity will be performed for the Facility.

Item 72.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each owner or operator seeking to comply with 40 CFR 63.1959(b)(2)(ii) must construct the gas collection devices using the following equipment or procedures:

(1) The landfill gas extraction components must 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 must extend as necessary to comply with emission and migration standards. Collection devices such as wells and horizontal collectors must be perforated to allow gas entry without head loss sufficient to impair performance across the intended extent of control. Perforations must be situated with regard to the need to prevent excessive air infiltration.

(2) Vertical wells must be placed so as not to endanger underlying liners and must address the occurrence of water within the landfill. Holes and trenches constructed for piped wells and horizontal collectors must 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 must be designed so as not to allow indirect short circuiting of air into the cover or refuse into the collection system or gas into the air. Any gravel used around pipe perforations should be of a dimension so as not to penetrate or block perforations.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 73: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1962(c), Subpart AAAA

Item 73.1:
The Compliance Certification activity will be performed for the Facility.

Item 73.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each owner or operator of a municipal solid waste landfill seeking to comply with 40 CFR 63.1959(b)(2)(iii) must convey the landfill gas to a control system in compliance with 40 CFR 63.1959(b)(2)(iii) through the collection header pipe(s). The gas mover equipment must 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 must be used to project the maximum flow rate. If no flow data exist, the procedures in item (2) below must be used.

(2) For new collection systems, the maximum flow rate must be in accordance with 40 CFR 63.1960(a)(1).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 74: Required Reports
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1981, Subpart AAAA

Item 74.1:

Each owner or operator of a municipal solid waste landfill must submit the reports specified in

40 CFR Part 63.1981 and the reports specified in Table 1 to 40 CFR Part 63, Subpart AAAA. If the owner or operator has previously submitted a design capacity report, amended design capacity report, initial NMOC emission rate report, initial or revised collection and control system design plan, closure report, equipment removal report, or initial performance test under 40 CFR Part 60, Subpart WWW; 40 CFR Part 60, Subpart XXX; or a federal plan or EPA-approved and effective state plan or tribal plan that implements either 40 CFR Part 60, Subpart Cc or 40 CFR Part 60, Subpart Cf, then that submission constitutes compliance with the design capacity report in 40 CFR 63.1981(a), the amended design capacity report in 40 CFR 63.1981(b), the initial NMOC emission rate report in 40 CFR 63.1981(c), the initial collection and control system design plan in 40 CFR 63.1981(d), the revised design plan in 40 CFR 63.1981(e), the closure report in 40 CFR 63.1981(f), the equipment removal report in 40 CFR 63.1981(g), and the initial performance test report in 40 CFR 63.1981(i). The owner or operator does not need to resubmit the report(s). However, the owner or operator must include a statement certifying prior submission of the respective report(s) and the date of submittal in the first semi-annual report required by 40 CFR 63.1981(h).

Condition 75: Reporting Requirements – Revised Design Plan
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1981(e), Subpart AAAA

Item 75.1:

The owner or operator of a municipal solid waste landfill that has already been required to submit a design plan under 40 CFR 63.1981(d) must submit a revised design plan to the Department for approval as follows:

(1) At least 90 days before expanding operations to an area not covered by the previously approved design plan.

(2) Prior to installing or expanding the gas collection system in a way that is not consistent with the design plan that was submitted to the Department according to 40 CFR 63.1981(d).

Condition 76: Submittal of a Closure Notification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1981(f), Subpart AAAA

Item 76.1:

Each owner or operator of a controlled landfill must submit a closure report to the Department within 30 days of waste acceptance cessation. The Department may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of 40 CFR 258.60. If a closure report has been submitted to the Department, no additional wastes may be placed into the landfill without filing a notification of modification as described under 40 CFR 63.9(b).

Condition 77: Equipment Removal Reports
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1981(g), Subpart AAAA

Item 77.1:

Each owner or operator of a controlled landfill must submit an equipment removal report as provided in 40 CFR 60.757(e). Each owner or operator of a controlled landfill must submit an equipment removal report to the Department 30 days prior to removal or cessation of operation of the control equipment.

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

(i) A copy of the closure report submitted in accordance with 40 CFR 63.1981(f);

(ii) A copy of the initial performance test report demonstrating that the 15-year minimum control period has expired, or information that demonstrates that the gas collection and control system will be unable to operate for 15 years due to declining gas flows. In the equipment removal report, the process unit(s) tested, the pollutant(s) tested, and the date that such performance test was conducted may be submitted in lieu of the performance test report if the report has been previously submitted to the EPA's Central Data Exchange (CDX); 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. If the NMOC emission rate reports have been previously submitted to the EPA's CDX, a statement that the NMOC emission rate reports have been submitted electronically and the dates that the reports were submitted to the EPA's CDX may be submitted in the equipment removal report in lieu of the NMOC emission rate reports.

(2) The Department may request such additional information as may be necessary to verify that all of the conditions for removal in 40 CFR 63.1957(b) have been met.

Condition 78: Reporting Requirements – Semi-Annual Reports
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1981(h), Subpart AAAA

Item 78.1:

The owner or operator of a municipal solid waste landfill seeking to comply with 40 CFR 63.1959(b)(2) using an active collection system designed in accordance with 40 CFR 63.1959(b)(2)(ii) must submit semiannual reports to the Department. The owner or operator must submit the report following the procedure specified in item (l) below. The initial report must be submitted within 180 days of installation and startup of the collection and control system and must include the initial performance test report required under 40 CFR 63.7, as applicable. In the initial report, the process unit(s) tested, the pollutant(s) tested, and the date that such performance test was conducted may be submitted in lieu of the performance test report if the report has been previously submitted to the EPA's CDX. For enclosed combustion devices and flares, reportable exceedances are defined under 40 CFR 63.1983(c). The

semi-annual reports must contain the information in items (1) through (8) below.

(1) Number of times that applicable parameters monitored under 40 CFR 63.1958(b), (c), and (d) were exceeded and when the gas collection and control system was not operating under 40 CFR 63.1958(e), including periods of startup, shutdown or malfunction. For each instance, report the date, time, and duration of each exceedance.

(i) Where an owner or operator subject to the provisions of 40 CFR Part 63, Subpart AAAA, seeks to demonstrate compliance with the temperature and nitrogen or oxygen operational standards in 40 CFR 63.1958(c), provide a statement of the wellhead operational standard for temperature and oxygen the owner or operator is complying with for the period covered by the report. Indicate the number of times each of those parameters monitored under 40 CFR 63.1961(a)(3) were exceeded. For each instance, report the date, time, and duration of each exceedance.

(ii) Where an owner or operator subject to the provisions of 40 CFR Part 63, Subpart AAAA, seeks to demonstrate compliance with the operational standard for temperature in 40 CFR 63.1958(c)(1), provide a statement of the wellhead operational standard for temperature and oxygen the owner or operator is complying with for the period covered by the report. Indicate the number of times each of those parameters monitored under 40 CFR 63.1961(a)(4) were exceeded. For each instance, report the date, time, and duration of each exceedance.

(iii) Number of times the parameters for the site-specific treatment system in 40 CFR 63.1961(g) were exceeded.

(2) Description and duration of all periods when the gas stream was diverted from the control device or treatment system through a bypass line or the indication of bypass flow as specified under 40 CFR 63.1961.

(3) Description and duration of all periods when the control device or treatment system was not operating and length of time the control device or treatment system was not operating.

(4) All periods when the collection system was not operating

(5) The location of each exceedance of the 500 parts per million methane concentration as provided in 40 CFR 63.1958(d) and the concentration recorded at each location for which an exceedance was recorded in the previous month. For location, record the latitude and longitude coordinates of each exceedance using an instrument with an accuracy of at least 4 meters. The coordinates must be in decimal degrees with at least five decimal places.

(6) The date of installation and the location of each well or collection system expansion added pursuant to 40 CFR 63.1960(a)(3) and (4), (b), and (c)(4).

(7) For any corrective action analysis for which corrective actions are required in 40 CFR 63.1960(a)(3)(i) or (a)(5) and that take more than 60 days to correct the exceedance, the root cause analysis conducted, including a description of the recommended corrective action(s), the date for corrective action(s) already completed following the positive pressure or high temperature reading, and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates.

(8) Each owner or operator required to conduct enhanced monitoring in 40 CFR 63.1961(a)(5) and (6) must include the results of all monitoring activities conducted during the period.

(i) For each monitoring point, report the date, time, and well identifier along with the value and units of measure for oxygen, temperature (wellhead and downwell), methane, and carbon monoxide.

(ii) Include a summary trend analysis for each well subject to the enhanced monitoring requirements to chart the weekly readings over time for oxygen, wellhead temperature, methane, and weekly or monthly readings over time, as applicable for carbon monoxide.

(iii) Include the date, time, staff person name, and description of findings for each visual observation for subsurface oxidation event.

Condition 79: Corrective Action and Timelines
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1981(j), Subpart AAAA

Item 79.1:

The owner or operator of a municipal solid waste landfill must submit the following information regarding corrective actions:

(1) For corrective action that is required according to 40 CFR 63.1960(a)(3) or (4) and is not completed within 60 days after the initial exceedance, the owner or operator must submit a notification to the Department as soon as practicable but no later than 75 days after the first measurement of positive pressure or temperature exceedance.

(2) For corrective action that is required according to 40 CFR 63.1960(a)(3) or (4) and is expected to take longer than 120 days after the initial exceedance to complete, the owner or operator must submit the root cause analysis, corrective action analysis, and corresponding implementation timeline to the Department as soon as practicable but no later than 75 days after the first measurement of positive pressure or temperature monitoring value of 62.8 degrees Celsius (145 degrees Fahrenheit) or above. The Department must approve the plan for corrective action and the corresponding timeline.

Condition 80: 24-Hour High Temperature Report
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1981(k), Subpart AAAA

Item 80.1:

Where an owner or operator subject to the provisions of 40 CFR Part 63, Subpart AAAA, seeks to demonstrate compliance with the operational standard for temperature in 40 CFR 63.1958(c)(1) and a landfill gas temperature measured at either the wellhead or at any point in the well is greater than or equal to 76.7 degrees Celsius (170 degrees Fahrenheit) and the carbon monoxide concentration measured is greater than or equal to 1,000 parts per million, the owner or operator must report the date, time, well identifier, temperature and carbon monoxide reading

via email to the Department within 24 hours of the measurement unless a higher operating temperature value has been approved by the Department for the well under 40 CFR Part 63, Subpart AAAA, or under 40 CFR Part 60, Subpart WWW; 40 CFR Part 60, Subpart XXX; or a Federal plan or EPA approved and effective state plan or tribal plan that implements either 40 CFR Part 60, Subpart Cc or 40 CFR Part 60, Subpart Cf.

Condition 81: Electronic Reporting Requirements
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1981(l), Subpart AAAA

Item 81.1:

The owner or operator of a municipal solid waste landfill must submit reports electronically according to items (1) and (2) below.

(1) Within 60 days after the date of completing each performance test required by 40 CFR Part 63, Subpart AAAA, the owner or operator must submit the results of the performance test following the procedures specified in items (1)(i) through (iii) below.

(i) Data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT website (https://www.epa.gov/electronic-reporting-emissions/electronic-reporting-tool-ert) at the time of the test. Submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI), which can be accessed through the EPA's CDX (https://cdx.epa.gov/). The data must be submitted in a file format generated through the use of the EPA's ERT. Alternatively, the owner or operator may submit an electronic file consistent with the extensible markup language (XML) schema listed on the EPA's ERT website.

(ii) Data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the test. The results of the performance test must be included as an attachment in the ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the ERT generated package or alternative file to the EPA via CEDRI.

(iii) Confidential business information (CBI). If the owner or operator claims some of the information submitted under paragraph (a) of this section is CBI, the owner or operator must submit a complete file, including information claimed to be CBI, to the EPA. The file must be generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to:

U.S. EPA/OAQPS/CORE CBI Office
Attention: Group Leader, Measurement Policy Group
MD C404-02
4930 Old Page Rd.
Durham, NC 27703

The same file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described above.

(2) Each owner or operator required to submit reports following the procedure specified in this paragraph must submit reports to the EPA via CEDRI. CEDRI can be accessed through the EPA's CDX. The owner or operator must use the appropriate electronic report in CEDRI for this subpart or an alternate electronic file format consistent with the XML schema listed on the CEDRI website (https://www.epa.gov/electronic-reporting-airemissions/compliance-and-emissions-data-reporting-interface-cedri). Once the spreadsheet template upload/forms for the reports have been available in CEDRI for 90 days, the owner or operator must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadlines specified in 40 CFR 63 Subpart AAAA, regardless of the method in which the reports are submitted. The NMOC emission rate reports, semi-annual reports, and bioreactor 40-percent moisture reports should be electronically reported as a spreadsheet template upload/form to CEDRI. If the reporting forms specific to 40 CFR Part 63, Subpart AAAA, are not available in CEDRI at the time that the reports are due, the owner or operator must submit the reports to the Administrator at the appropriate address listed in 40 CFR Part 63.13 of Subpart A.

Condition 82: Claims of EPA System Outage
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1981(m), Subpart AAAA

Item 82.1:

The owner or operator of a municipal solid waste landfill required to electronically submit a report through CEDRI in the EPA's CDX may assert a claim of EPA system outage for failure to comply in a timely manner with the reporting requirement. To assert a claim of EPA system outage, the owner or operator must meet the following requirements:

(1) The owner or operator must have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either the EPA's CEDRI or CDX systems.

(2) The outage must have occurred within the period of time beginning 5 business days prior to the date that the submission is due.

(3) The outage may be planned or unplanned.

(4) The owner or operator must submit notification to the Administrator in writing as soon as possible following the date the owner or operator first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

(5) The owner or operator must provide to the Administrator a written description identifying:

(i) The date(s) and time(s) when CDX or CEDRI was accessed and the system was unavailable;

(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to EPA system outage;

(iii) Measures taken or to be taken to minimize the delay in reporting; and

(iv) The date by which the owner or operator proposes to report, or if the owner or operator has already met the reporting requirement at the time of the notification, the date the owner or operator reported.

(6) The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(7) In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved.

Condition 83: Claims of Force Majeure
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1981(n), Subpart AAAA

Item 83.1:

The owner or operator of a municipal solid waste landfill required to electronically submit a report through CEDRI in the EPA's CDX may assert a claim of force majeure for failure to comply timely with the reporting requirement. To assert a claim of force majeure, the owner or operator must meet the following requirements:

(1) The owner or operator may submit a claim if a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning 5 business days prior to the date the submission is due. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents the owner or operator from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage).

(2) The owner or operator must submit notification to the Administrator in writing as soon as possible following the date the owner or operator first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

(3) The owner or operator must provide to the Administrator:

(i) A written description of the force majeure event;

(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event;

(iii) Measures taken or to be taken to minimize the delay in reporting; and

(iv) The date by which the owner or operator proposes to report, or if the reporting requirement has already been met at the time of the notification, the date the owner or operator reported.

(4) The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(5) In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs.

Condition 84: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1983(a), Subpart AAAA

Item 84.1:
The Compliance Certification activity will be performed for the Facility.

Item 84.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

> The owner or operator of a municipal solid waste landfill must keep records as specified in 40 CFR Part 63, Subpart AAAA. The owner or operator must also keep records as specified in the General Provisions of 40 CFR Part 63, Subpart AAAA, as shown in Table 1.
>
> Except as provided in 40 CFR 63.1981(d)(2), each owner or operator of a MSW landfill subject to the provisions of 40 CFR 63.1959(b)(2)(ii) and (iii) must keep for at least 5 years up-to-date, readily accessible, on-site records of the design capacity report that triggered 40 CFR 63.1959(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 85: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1983(b), Subpart AAAA

Item 85.1:
The Compliance Certification activity will be performed for the Facility.

Item 85.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a municipal solid waste landfill must keep records as specified in 40 CFR Part 63, Subpart AAAA. The owner or operator must also keep records as specified in the General Provisions of 40 CFR Part 63, Subpart AAAA, as shown in Table 1.

Except as provided in 40 CFR 63.1981(d)(2), each owner or operator of a controlled landfill must keep up-to-date, readily accessible records for the life of the control system equipment of the data listed in items (1) through (5) below as measured during the initial performance test or compliance determination. Records of subsequent tests or monitoring must be maintained for a minimum of 5 years. Records of the control device vendor specifications must be maintained until removal.

(1) Where an owner or operator subject to the provisions of 40 CFR Part 63, Subpart AAAA, seeks to demonstrate compliance with 40 CFR 63.1959(b)(2)(ii):

(i) The maximum expected gas generation flow rate as calculated in 40 CFR 63.1960(a)(1).

(ii) The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 40 CFR 63.1962(a)(1) and (2).

(2) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with 40 CFR 63.1959(b)(2)(iii) through use of an enclosed combustion device other than a boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts:

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

(ii) The percent reduction of NMOC determined as specified in 40 CFR 63.1959(b)(2)(iii)(B) achieved by the control device.

(3) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with 40 CFR 63.1959(b)(2)(iii)(B)(1) through use of a boiler or process heater of any size: A description of the location

at which the collected gas vent stream is introduced into the boiler or process heater over the same time period of the performance testing.

(4) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with 40 CFR 63.1959(b)(2)(iii)(A) through use of a non-enclosed flare, the flare type (i.e., steam-assisted, air-assisted, or non-assisted), all visible emission readings, heat content determination, flow rate or bypass flow rate measurements, and exit velocity determinations made during the performance test as specified in 40 CFR Part 63.11; continuous records of the flare pilot flame or flare flame monitoring and records of all periods of operations during which the pilot flame or the flare flame is absent.

(5) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with 40 CFR 63.1959(b)(2)(iii)(C) through use of a landfill gas treatment system:

(i) Bypass records. Records of the flow of landfill gas to, and bypass of, the treatment system.

(ii) Site-specific treatment monitoring plan, to include:

(A) Monitoring records of parameters that are identified in the treatment system monitoring plan and that ensure the treatment system is operating properly for each intended end use of the treated landfill gas. At a minimum, records should include records of filtration, dewatering, and compression parameters that ensure the treatment system is operating properly for each intended end use of the treated landfill gas.

(B) Monitoring methods, frequencies, and operating ranges for each monitored operating parameter based on manufacturer's recommendations or engineering analysis for each intended end use of the treated landfill gas.

(C) Documentation of the monitoring methods and ranges, along with justification for their use.

(D) List of responsible staff (by job title) for data collection.

(E) Processes and methods used to collect the necessary data.

(F) Description of the procedures and methods that are used for quality assurance, maintenance, and repair of all

continuous monitoring systems (CMS).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 86: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1983(c), Subpart AAAA

Item 86.1:
The Compliance Certification activity will be performed for the Facility.

Item 86.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a municipal solid waste landfill must keep records as specified in 40 CFR Part 63, Subpart AAAA. The owner or operator must also keep records as specified in the General Provisions of 40 CFR Part 63, Subpart AAAA, as shown in Table 1.

Except as provided in 40 CFR 63.1981(d)(2), each owner or operator of a controlled landfill subject to the provisions of 40 CFR Part 63, Subpart AAAA, must keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in 40 CFR 63.1961 as well as up-to-date, readily accessible records for periods of operation during which the parameter boundaries established during the most recent performance test are exceeded.

(1) The following constitute exceedences that must be recorded and reported as deviations under 40 CFR 63.1981(h):

(i) For enclosed combustors except for boilers and process heaters with design heat input capacity of 44 megawatts (150 million Btu per hour) or greater, all 3-hour periods of operation during which the average temperature was more than 28 degrees Celsius (82 degrees Fahrenheit) below the average combustion temperature during the most recent performance test at which compliance with 40 CFR 63.1959(b)(2)(iii) was determined.

(ii) For boilers or process heaters, whenever there is a change in the location at which the vent stream is

introduced into the flame zone as required under 40 CFR 63.1983(b)(3).

(2) Each owner or operator subject to the provisions of this subpart must keep up-to-date, readily accessible continuous records of the indication of flow to the control system and the indication of bypass flow or records of monthly inspections of car-seals or lock-and-key configurations used to seal bypass lines, specified under 40 CFR 63.1961(b)(2)(ii), (c)(2)(ii), and (g)(2).

(3) Each owner or operator subject to the provisions of this subpart who uses a boiler or process heater with a design heat input capacity of 44 megawatts or greater to comply with 40 CFR 63.1959(b)(2)(iii) must keep an up-to-date, readily accessible record of all periods of operation of the boiler or process heater. Examples of such records could include records of steam use, fuel use, or monitoring data collected pursuant to other state, local, tribal, or federal regulatory requirements.

(4) Each owner or operator seeking to comply with the provisions of this subpart by use of a non-enclosed flare must keep up-to-date, readily accessible continuous records of the flame or flare pilot flame monitoring specified under 40 CFR 63.1961(c), and up-to-date, readily accessible records of all periods of operation in which the flame or flare pilot flame is absent.

(5) Each owner or operator of a landfill seeking to comply with 40 CFR 63.1959(b)(2) using an active collection system designed in accordance with 40 CFR 63.1959(b)(2)(ii) must keep records of periods when the collection system or control device is not operating.

(6) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with the operational standard in 40 CFR 63.1958(e)(1), the date, time, and duration of each start-up and/or shutdown period, recording the periods when the affected source was subject to the standard applicable to start-up and shutdown.

(7) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with the operational standard in 40 CFR 63.1958(e)(1), in the event that an affected unit fails to meet an applicable standard, record the information below in this paragraph:

(i) For each failure record the date, time and duration of each failure and the cause of such events (including unknown cause, if applicable).

(ii) For each failure to meet an applicable standard; record and retain a list of the affected sources or equipment.

(iii) Record actions taken to minimize emissions in accordance with the general duty of 40 CFR 63.1955(c) and any corrective actions taken to return the affected unit to its normal or usual manner of operation.

(8) In lieu of the requirements specified in 40 CFR 63.8(d)(3) of Subpart A, the owner or operator must keep the written procedures required by 40 CFR 63.8(d)(2) on record for the life of the affected source or until the affected source is no longer subject to the provisions of this part, to be made available for inspection, upon request, by the Department. If the performance evaluation plan is revised, the owner or operator must keep previous (i.e., superseded) versions of the performance evaluation plan on record to be made available for inspection, upon request, by the Department, for a period of 5 years after each revision to the plan. The program of corrective action should be included in the plan required under 40 CFR 63.8(d)(2).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 87: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1983(d), Subpart AAAA

Item 87.1:
The Compliance Certification activity will be performed for the Facility.

Item 87.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a municipal solid waste landfill must keep records as specified in 40 CFR Part 63, Subpart AAAA. The owner or operator must also keep records as specified in the General Provisions of 40 CFR Part 63, Subpart AAAA, as shown in Table 1.

Except as provided in 40 CFR 63.1981(d)(2), each owner or operator subject to the provisions of 40 CFR Part 63, Subpart AAAA, must 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 subject to the provisions of 40 CFR Part 63, Subpart AAAA, must keep up-to-date, readily accessible records of the installation date and location of all newly installed collectors as specified under 40 CFR 63.1960(b).

(2) Each owner or operator subject to the provisions of this subpart must 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 63.1962(a)(3)(i) as well as any nonproductive areas excluded from collection as provided in 40 CFR 63.1962(a)(3)(ii).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 88: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1983(e), Subpart AAAA

Item 88.1:
The Compliance Certification activity will be performed for the Facility.

Item 88.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a municipal solid waste landfill must keep records as specified in 40 CFR Part 63, Subpart AAAA. The owner or operator must also keep records as specified in the General Provisions of 40 CFR Part 63, Subpart AAAA, as shown in Table 1.

Except as provided in 40 CFR 63.1981(d)(2), each owner or operator subject to the provisions of 40 CFR Part 63, Subpart AAAA, must keep for at least 5 years up-to-date, readily accessible records of the following:

(1) All collection and control system exceedances of the operational standards in 40 CFR 63.1958, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance.

(2) Each owner or operator subject to the control provisions of 40 CFR Part 63, Subpart AAAA, must keep records of each wellhead temperature monitoring value of greater than 55 degrees Celsius (131 degrees Fahrenheit), each wellhead nitrogen level at or above 20 percent, and each wellhead oxygen level at or above 5 percent, except:

(i) When an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with the compliance provisions for wellhead temperature in 40 CFR 63.1958(c)(1), the records of each wellhead temperature monitoring value of 62.8 degrees Celsius (145 degrees Fahrenheit) or above instead of values greater than 55 degrees Celsius (131 degrees Fahrenheit).

(ii) Each owner or operator required to conduct the enhanced monitoring provisions in 40 CFR 63.1961(a)(5), must also keep records of all enhanced monitoring activities.

(iii) Each owner or operator required to submit the 24-hour high temperature report in 40 CFR 63.1981(k), must also keep a record of the email transmission.

(3) For any root cause analysis for which corrective actions are required in 40 CFR 63.1960(a)(3)(i)(A) or (a)(4)(i)(A), keep a record of the root cause analysis conducted, including a description of the recommended corrective action(s) taken, and the date(s) the corrective action(s) were completed.

(4) For any root cause analysis for which corrective actions are required in 40 CFR 63.1960(a)(3)(i)(B) or (a)(4)(i)(B), keep a record of the root cause analysis conducted, the corrective action analysis, the date for corrective action(s) already completed following the positive pressure reading or high temperature reading, and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates.

(5) For any root cause analysis for which corrective actions are required in 40 CFR 63.1960(a)(3)(i)(C) or (a)(4)(i)(C), keep a record of the root cause analysis conducted, the corrective action analysis, the date for

corrective action(s) already completed following the positive pressure reading or high temperature reading, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates, and a copy of any comments or final approval on the corrective action analysis or schedule from the Department.

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

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

Condition 89: Emission Point Definition By Emission Unit
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 89.1:
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 89.2:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: M-00001

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

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

Item 89.3:
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 90: Process Definition By Emission Unit
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 90.1:
This permit authorizes the following regulated processes for the cited Emission Unit:

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

Emission Source/Control: LNDF2 - Process

Design Capacity: 8,312,922 cubic yards

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

Emission Source/Control: LNDF4 - Process
Design Capacity: 5,100,000 cubic yards

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

Item 90.2:
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 40 CFR Part 63 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: LNDF4 - Process
Design Capacity: 5,100,000 cubic yards

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

Item 90.3:
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 90.4:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: L-00001
Process: LGF Source Classification Code: 5-02-006-01
Process Description:

Process LGF includes operation of a 3,300 cfm John Zink enclosed flare ground system (0LGF1) and a 910 cfm open flare (FLR03) for control of excess landfill gas not being used by the Renewable Energy Facility. The flares combust any excess landfill gas collected from the landfill areas (LNDFL, LNDF2 and LNDF3).

The enclosed flare has a design heat input rating of 90 million British Thermal Units per hour (MMBtu/hr) and is capable of combusting up to 198,000 cubic feet per hour of landfill gas. The enclosed flare is operated in accordance with the combustion temperature requirements specified in §63.1961(b).

The open flare is rated at approximately 27 MMBtu/hr and is operated in compliance with §60.18 and 63.1961(c).

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: LNDF4 - Process
Design Capacity: 5,100,000 cubic yards

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

Item 90.5:
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 90.6:
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 90.7:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: P-00001
Process: 602 Source Classification Code: 2-01-008-05
Process Description:
The Chaffee Landfill Renewable Energy Facility (P-00001) has an emission point called a "crankcase breather vent." The function of the crankcase breather vent is to allow

moisture in each of the engines crankcase to be vented so water does not collect in the engines oil pan. The water vapor might contain some motor oil in the form of a mist. Other insignificant emissions might come from the virgin motor oil storage tank, the used oil storage tank, the landfill gas condensate tank and the gas chromatograph vent.

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

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

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

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

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

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

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

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

Item 90.8:
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 91: Process Permissible Emissions
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 91.1:
The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: P-00001 Process: 601

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

Emission Unit: P-00001 Process: 603

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

Condition 92: Compliance Certification
Effective for entire length of Permit

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

Item 92.1:
The Compliance Certification activity will be performed for:

Emission Unit: L-00001

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

Item 92.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
WMNY submitted an updated NOx RACT Plan, dated December 22, 2021. 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 §40CFR 63.1959(b)(2)(iii) and the open flare operates in compliance with §60.18.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 93: Flare operation requirements.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.18(c), NSPS Subpart A

Item 93.1:
This Condition applies to Emission Unit: L-00001
Process: LGF Emission Source: 0LGF1

Item 93.2:
All required flares shall meet, at a minimum, the following conditions:

1) be designed for and operated with no visible emissions as determined by the methods specified in 40 CFR 60.18(f) (Method 22), except for periods not to exceed 5 minutes during any 2 consecutive hours;

2) Flares shall be operated with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f) (Method 22);

3) An owner/operator has the choice of adhering to either the heat content specifications in 40 CFR 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR 60.18(c)(4), or adhering to the requirements in 40 CFR 60.18(c)(3)(i).

4) Steam assisted and non assisted flares shall be designed for and operate with an exit velocity, as determined by the methods specified in 40 CFR 60.18(f)(4), less than 18.3 m/sec (60 ft/sec), except as provided in 40 CFR 60.18(c)(4)(ii) and (iii).

5) Air-assisted flares shall be designed and operated with an exit velocity less than the velocity, V_{MAX}, as determined by the method specified in 40 CFR 60.18(f)(6).

6) Flares used to comply with 40 CFR 60.18(c) shall be steam-assisted, air-assisted or non-assisted.

Condition 94: Flare monitoring requirements.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.18(d), NSPS Subpart A

Item 94.1:
This Condition applies to Emission Unit: L-00001
Process: LGF Emission Source: 0LGF1

Item 94.2:
Owners or operators of flares used to comply with the provisions of 40 CFR 60.18 shall monitor these control devices to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how owners or operators of flares shall monitor these control devices.

Condition 95: Flare visible emissions.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.18(e), NSPS Subpart A

Item 95.1:
This Condition applies to Emission Unit: L-00001
Process: LGF Emission Source: 0LGF1

Item 95.2:
Flares used to comply with provisions of this subpart shall be operated at all times when emissions may be vented to them.

Condition 96: Flare compliance testing.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.18(f), NSPS Subpart A

Item 96.1:
This Condition applies to Emission Unit: L-00001
Process: LGF Emission Source: 0LGF1

Item 96.2: Required flares used to comply with the provisions in this subpart shall comply with the following:

1) Reference Method 22 shall be used to determine the compliance of flares with the visible emission provisions of this subpart. The observation period is 2 hours and shall be used according to Method 22.

2) The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame.

3) The net heating value of the gas being combusted in a flare shall be calculated using the equation found in 40CFR 60.18(f)(3).

4) The actual exit velocity of a flare shall be determined by dividing the volumetric flowrate (in units of standard temperature and pressure), as determined by Reference Methods 2, 2A, 2C, or 2D as appropriate; by the unobstructed (free) cross sectional area of the flare tip.

5) The maximum permitted velocity, Vmax, for flares complying with 40CFR 60.18(c)(4)(iii) shall be determined by the equation given in 40CFR 60.18(f)(5).

6) The maximum permitted velocity, Vmax, for air assisted flares shall be determined by the equation given in 40CFR 60.18(f)(6).

Condition 97: Flare operation requirements.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.18(c), NSPS Subpart A

Item 97.1:
This Condition applies to Emission Unit: L-00001
Process: LGF Emission Source: FLR03

Item 97.2:
All required flares shall meet, at a minimum, the following conditions:

1) be designed for and operated with no visible emissions as determined by the methods specified in 40 CFR 60.18(f) (Method 22), except for periods not to exceed 5 minutes during any 2 consecutive hours;

2) Flares shall be operated with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f) (Method 22);

3) An owner/operator has the choice of adhering to either the heat content specifications in 40 CFR 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR 60.18(c)(4), or adhering to the requirements in 40 CFR 60.18(c)(3)(i).

4) Steam assisted and non assisted flares shall be designed for and operate with an exit velocity, as determined by the methods specified in 40 CFR 60.18(f)(4), less than 18.3 m/sec (60 ft/sec), except as provided in 40 CFR 60.18(c)(4)(ii) and (iii).

5) Air-assisted flares shall be designed and operated with an exit velocity less than the velocity, V_{MAX}, as determined by the method specified in 40 CFR 60.18(f)(6).

6) Flares used to comply with 40 CFR 60.18(c) shall be steam-assisted, air-assisted or non-assisted.

Condition 98: Flare monitoring requirements.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.18(d), NSPS Subpart A

Item 98.1:
This Condition applies to Emission Unit: L-00001
Process: LGF Emission Source: FLR03

Item 98.2:
Owners or operators of flares used to comply with the provisions of 40 CFR 60.18 shall monitor these control devices to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how owners or operators of flares

shall monitor these control devices.

Condition 99: Flare visible emissions.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.18(e), NSPS Subpart A

Item 99.1:
This Condition applies to Emission Unit: L-00001
Process: LGF Emission Source: FLR03

Item 99.2:
Flares used to comply with provisions of this subpart shall be operated at all times when emissions may be vented to them.

Condition 100: Flare compliance testing.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.18(f), NSPS Subpart A

Item 100.1:
This Condition applies to Emission Unit: L-00001
Process: LGF Emission Source: FLR03

Item 100.2: Required flares used to comply with the provisions in this subpart shall comply with the following:

1) Reference Method 22 shall be used to determine the compliance of flares with the visible emission provisions of this subpart. The observation period is 2 hours and shall be used according to Method 22.

2) The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame.

3) The net heating value of the gas being combusted in a flare shall be calculated using the equation found in 40CFR 60.18(f)(3).

4) The actual exit velocity of a flare shall be determined by dividing the volumetric flowrate (in units of standard temperature and pressure), as determined by Reference Methods 2, 2A, 2C, or 2D as appropriate; by the unobstructed (free) cross sectional area of the flare tip.

5) The maximum permitted velocity, Vmax, for flares complying with 40CFR 60.18(c)(4)(iii) shall be determined by the equation given in 40CFR 60.18(f)(5).

6) The maximum permitted velocity, Vmax, for air assisted flares shall be determined by the equation given in 40CFR 60.18(f)(6).

Condition 101: Compliance Certification
Effective for entire length of Permit

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

Item 101.1:
The Compliance Certification activity will be performed for:

Emission Unit: M-00001

Item 101.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

1. A certification from the coating supplier or manufacturer which lists the parameters used to determine the actual VOC content of each as applied coating used at the facility.

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

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

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

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

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

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

Condition 102: Surface Coating - Handling, storage and disposal

Effective for entire length of Permit

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

Item 102.1:
This Condition applies to Emission Unit: M-00001

Item 102.2:
Within the work area(s) associated with a coating line, the owner or operator of a facility must:

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

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

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

(4) not use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating material to a substrate. These devices may include, but are not limited to: spray guns, flow coaters, dip tanks, rollers, knife coaters, and extrusion coaters;

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

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

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

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

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

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

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

Condition 103: Surface Coating- application requirements
Effective for entire length of Permit

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

Item 103.1:
This Condition applies to Emission Unit: M-00001

Item 103.2:
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 104: Compliance Certification
Effective for entire length of Permit

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

Item 104.1:
The Compliance Certification activity will be performed for:

Emission Unit: M-00001

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

Item 104.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
A facility operating a Miscellaneous Metal Parts Coatings coating line may not use coatings with VOC contents, as applied, which exceed the appropriate limits specified in Table B4 of 6 NYCRR Subpart 228-1.4(b)(4). The units in Table B4 are in terms of pounds of VOC per gallon of coating (minus water and excluded compounds) at

application. Sampling and testing of any coating to confirm VOC content compliance must be performed in a manor directed by and at the request of the Department.

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

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

(a) stencil coating;

(b) safety-indicating coatings;

(c) solid-film lubricants;

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

(e) magnetic data storage disk coatings; and

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

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

Condition 105: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 105.1:
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 105.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 105.3:
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 105.4:
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 105.5:
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 105.6:
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

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

Item 105.7:
Compliance Certification shall include the following monitoring:

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

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

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

Condition 106: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 106.1:
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 106.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 106.3:
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 106.4:
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 106.5:
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 106.6:
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

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

Item 106.7:
Compliance Certification shall include the following monitoring:

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

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

Condition 107: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 202-1

Item 107.1:
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

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

Item 107.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

PERIODIC MONITORING

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

(2) Based on the most recent performance test completed on February 14, 2019, the target NOx and CO concentrations are as follows:

Engines 1 through 6
NOx = 238.2 ppm
CO = 784.1 ppm

Engines 7 and 8
NOx = 226.5 ppm
CO = 745.6 ppm

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

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

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

ROUTINE PERFORMANCE TESTING

(1) The facility completed initial performance tests on engines #1, #4, #5, #7 and #8 between August 2008 and February 2019. The test results indicate the NOx emission rate ranges between 1.0 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, once per permit term 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 30 days prior to completion of the test. The Department must be notified 7 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 60 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.
Subsequent reports are due every 6 calendar month(s).

Condition 108: Compliance Certification
Effective for entire length of Permit

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

Item 108.1:
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

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

Item 108.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
WMNY submitted an updated NOx RACT Plan, dated December 22, 2021. 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.
Subsequent reports are due every 6 calendar month(s).

Condition 109: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ

Item 109.1:
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Item 109.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The following FOUR 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 FOUR engines:

Engine#, Serial#, Max Power, Manf.Date

1, ZBA00844, 820 kW, 11/20/2007
4, ZBA00538, 820 kW, 10/31/2006
6, ZBA00471, 820 kW, 09/05/2006
8, ZBA00840, 820 kW, 11/19/2007

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 110: Compliance Certification
Effective for entire length of Permit

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

Item 110.1:
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

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

Item 110.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

EMISSION STANDARDS

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

Landfill/Digester Gas Engines (non-certified)*

Emission Standards (g/HP-hr)

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

Emission Standards (ppmvd at 15% O2)

Size	Date	NOx	CO	VOC
HP<500	7/1/2008	220	610	80
HP<500	1/1/2011	150	610	80
HP>=500	7/1/2007	220	610	80
HP>=500	7/1/2010	150	610	80

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 111: Compliance Certification
Effective for entire length of Permit

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

Item 111.1:
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Item 111.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a stationary SI internal combustion engine greater than 500 HP must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition an initial performance test must be performed and subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance must also be conducted.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 112: Test methods and procedures
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.4244, NSPS Subpart JJJJ

Item 112.1:
This Condition applies to Emission Unit: P-00001

Item 112.2:

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 must 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 113: Compliance Certification
Effective for entire length of Permit

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

Item 113.1:
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Item 113.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

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

(2) Maintenance conducted on the engine.

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 114: Compliance Certification
Effective for entire length of Permit

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

Item 114.1:
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Item 114.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

(1) Name and address of the owner or operator;

(2) The address of the affected source;

(3) Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement;

(4) Emission control equipment; and

(5) Fuel used.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 115: Performance test requirements
Effective for entire length of Permit

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

Item 115.1:
This Condition applies to Emission Unit: P-00001

Item 115.2: 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 116: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.6600(c), Subpart ZZZZ

Item 116.1:
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Item 116.2:
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.
Subsequent reports are due every 6 calendar month(s).

Condition 117: Compliance Certification
Effective for entire length of Permit

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

Item 117.1:
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Item 117.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

EMISSION RELATED OPERATING LIMITATIONS

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

follows:

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

(4) This requirement is applicable to One-90 HP generator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 118: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.6625, Subpart ZZZZ

Item 118.1:
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Item 118.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

OPERATION AND MAINTENANCE REQUIREMENTS

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

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

(2) Minimize the engine's time spent at idle during

startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

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

(a) Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new;
(b) Viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or
(c) Percent water content (by volume) is greater than 0.5.

(4) If all of the condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis. If the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

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

Engine#, Serial#, Max Power, Const.Date, Manf.Date
3, ZBA00389, 820 kW, 5/23/2006, 5/4/2006
4, ZBA00388, 820 kW, 5/23/2006, 5/3/2006
One-90 HP generator

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 119: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.6655, Subpart ZZZZ

Item 119.1:
The Compliance Certification activity will be performed for:

Emission Unit: P-00001

Item 119.2:
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.
Subsequent reports are due every 6 calendar month(s).

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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined in 6 NYCRR 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 demonstrate, 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 facility was being properly operated and maintained;
(3) during the period of the emergency the facility owner or operator took all reasonable steps to minimize the 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 any 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 malfunction provision contained in any applicable requirement.

Item B: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 120: Contaminant List
Effective for entire length of Permit

Applicable State Requirement:ECL 19-0301

Item 120.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000074-82-8
Name: METHANE

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

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

CAS No: 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 121: Malfunctions and Start-up/Shutdown Activities

Effective for entire length of Permit

Applicable State Requirement:6 NYCRR 201-1.4

Item 121.1:
(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 maintenance and start-up/shutdown activities when they are expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when required by a permit condition or upon request by the department. Such reports shall state whether an exceedance occurred and if it was unavoidable, include the time, frequency and duration of the exceedance, 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 monitoring and quarterly reporting requirements need not submit additional reports of exceedances to the department.

(c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall 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. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. 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, the air contaminants emitted, and the resulting emission rates and/or opacity.

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

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

Condition 122: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement:6 NYCRR 201-6.5 (a)

Item 122.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 122.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

In order to demonstrate that the landfill gas collection system is operating properly, landfill personnel shall measure gauge pressure in the gas collection header applied to each individual horizontal and vertical collector on a monthly basis. If positive pressure exists, corrective action shall be taken within 5 days except under the following conditions:

1) A fire or increased well temperature. The owner or operator must record instances when positive pressure occurs in efforts to avoid a fire. These records must be submitted with the semiannual monitoring reports required by this permit.

2) Use of a geomembrane or synthetic cover. The owner or operator must develop acceptable pressure limits in the design plan.

3) A decommissioned well. A well may experience a static positive pressure after shutdown to accommodate declining flows. All design changes must be approved by the Department.

If monitoring demonstrates that the operational requirements are not met, corrective action shall be taken as specified in 40 CFR 63.1960(a)(3). If corrective actions are taken as specified in 40 CFR 63.1960(a)(3), the monitored exceedance is not a violation of operational requirements in this section, however the permittee shall report these episodes as deviations.

The facility shall maintain records of the monthly monitoring and corrective actions on site for a period of at least 5 years from the date of the record. A summary of corrective actions taken per this condition will be provided in the semiannual monitoring report required by this permit.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: LANDFILL GAS
Parameter Monitored: PRESSURE
Upper Permit Limit: 0 pounds per square inch gauge
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 123: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement:6 NYCRR 201-6.5 (a)

Item 123.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 123.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The facility must perform monthly waste cover inspections and immediately implement corrective actions if the cover is found to be deficient. Where corrective action is unable to be completed within 5 days of the instance where cover is found to be deficient, the facility shall submit a written plan to correct the deficiency to the Department for approval within five days.

The facility shall maintain records on site of the monthly waste cover inspections and any corrective actions taken, in a format acceptable to the Department, for a period of at least 5 years from the date of the record. The summary of instances where the cover was found to be deficient and subsequent corrective actions taken shall be provided in the semiannual monitoring report required by this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 124: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement:6 NYCRR 201-6.5 (a)

Item 124.1:
The Compliance Demonstration activity will be performed for the Facility.

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

Item 124.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING
Monitoring Description:

The owner or operator must monitor the surface concentrations of methane according to the procedures found in 40 CFR 63.1960(c)(1-4) and the instrument specifications in 40 CFR 63.1960(d). Any closed landfill
that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may reduce the monitoring frequency to semiannually. Any methane reading of 500 ppm or more above background detected during the semiannual monitoring returns the frequency for that landfill to quarterly
monitoring.

The quarterly surface emission monitoring scans will include monitoring of all penetrations through areas of intermediate and final cover. 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 for an entire calendar quarter, that section of the landfill does not need to be included in the surface scan required for that quarter. The facility must return to quarterly surface monitoring in the event that conditions improve (i.e., if the
snow
and/or ice melt and the ground surface is accessible to the monitoring instruments) during the quarterly monitoring period.

The Department reserves the right to require the facility to perform a drone scan (or equivalent method) to determine if gas emissions are coming from areas that are unable to be scanned if conditions warrant
these areas to be scanned. The Department will notify the facility if this becomes applicable.

The facility shall maintain records of the quarterly monitoring and corrective actions on site for a period of at least 5 years from the date of the record. The quarterly reports and subsequent corrective actions shall be provided in the semiannual monitoring report required by this permit.

Upper Permit Limit: 500 parts per million (by volume)
Reference Test Method: As Required: See permit description
Monitoring Frequency: QUARTERLY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 125: Air pollution prohibited
Effective for entire length of Permit

Applicable State Requirement:6 NYCRR 211.1

Item 125.1:
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.

Division of Air Resources

Permit Review Report

Permit ID: 9-1462-00001/00013
Renewal Number: 3
09/12/2022

Facility Identification Data
Name: CHAFFEE LANDFILL
Address: 10860 OLEAN RD
CHAFFEE, NY 14030-9799

Owner/Firm
Name: WASTE MANAGEMENT OF NEW YORK LLC
Address: ATTN: COURTNEY TIPPY
800 CAPITAL ST STE 3000
HOUSTON, TX 77002, USA
Owner Classification: Corporation/Partnership

Permit Contacts
Division of Environmental Permits:
Name: LISA M CZECHOWICZ
Address: NYSDEC - REGION 9
700 Delaware Ave
BUFFALO, NY 14209
Phone:7168517165

Division of Air Resources:
Name: ALAN J ZYLINSKI
Address: NYSDEC - REGION 9
270 MICHIGAN AVE
BUFFALO, NY 14203-2915
Phone:7168517130

Air Permitting Contact:
Name: MICHAEL F MAHAR
Address: CWM CHEMICAL SERVICES LLC
1550 BALMER RD PO BOX 200
MODEL CITY, NY 14107
Phone:7162861550

Permit Description

Introduction

The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

Summary Description of Proposed Project
Application for renewal of Air Title V Facility. This application includes an expansion to include Cells 7 and 8.

Attainment Status
CHAFFEE LANDFILL is located in the town of SARDINIA in the county of ERIE.
The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

Criteria Pollutant	Attainment Status
Particulate Matter (PM)	ATTAINMENT
Particulate Matter< 10μ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO2)	ATTAINMENT
Ozone*	MARGINAL NON-ATTAINMENT
Oxides of Nitrogen (NOx)**	ATTAINMENT
Carbon Monoxide (CO)	ATTAINMENT

* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.
** NOx has a separate ambient air quality standard in addition to being an ozone precursor.

Facility Description:
Waste Management of New York, LLC (WMNY) operates a municipal solid waste (MSW) landfill (Chaffee Landfill) located in Chaffee, New York. Chaffee Landfill is a municipal solid waste landfill located on 700 acres of property. This Title V Renewal Permit for the facility includes the construction/operation of Area 7/8 Development. The capacity of the Area 7/8 Development is approximately 5.1 million cubic yards and will allow the facility to accept waste for an additional 7 years, assuming the maximum permitted waste acceptance rate of 780,000 tons per year (600,000 tons per year (TPY) MSW and 180,000 TPY alternative daily cover (ADC)).

There are currently three landfill areas at the facility: the Closed Landfill, the Western Expansion Landfill and the Valley Fill Expansion. The Closed Landfill began accepting waste in 1958 and was capped and closed in 2010 with a total of 7.5 million tons of waste-in-place. The Western Expansion Landfill opened in November 2007 and consists of six double lined landfill cells covering approximately 57.3 acres. The total design capacity of the Western Expansion Landfill is approximately 8,312,922 cubic yards. A Title V Modification to authorize construction and operation of the Valley Fill Landfill Expansion was submitted on November 1, 2012 and was subsequently approved by NYSDEC. Initial construction of the Valley Fill Landfill Expansion commenced in September 2013. The capacity of the Valley Fill Expansion is 2,039,598 cubic yards and will increase life of the permitted facility by approximately 2.3 years. Also included in the Title V Renewal Application was an assessment of facility compliance with 6 NYCRR Part 212.

Landfill Gas Collection and Combustion System (LFG) at the existing facility is currently collected in an active system and combusted to generate electricity. The collection system consists of vertical extraction wells and horizontal collectors. LFG is drawn from the landfill via blowers and directed through a gas header to eight internal combustion engines (eight Caterpillar 3516 engines), each rated at 1,148 horsepower, at the Renewable Energy Facility (REF), where electricity is produced for sale on the open market. In addition, WMNY also operates one 99 MMBtu/hr (~ 3,300 cfm) enclosed flare and one 27.3

MMBtu/hr (~ 910 cfm) open flare used to combust the excess landfill gas that is not being used by the engines and also as a back-up to the energy plant. The enclosed flare comes with a manufacturer's maximum guarantee of 0.2 lb/MMBtu of Carbon Monoxide (CO). 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.

This 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. 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. This permit also includes 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.

WMNY is subject to the requirements specified in the New Source Performance Standards for Municipal Solid Waste Landfills – 40 CFR 63 Subpart AAAA. 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.
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.

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).

Therefore, emission sources at the facility include fugitive emissions from the landfill; LFG combustion emissions from a 910-cfm flare, a 3,300 cfm enclosed flare, and eight IC engines; combustion emissions from heating equipment; emissions from surface coating operations; and evaporative emissions from fuel and oil storage tanks, leachate tanks, and parts washers.

Permit Structure and Description of Operations
The Title V permit for CHAFFEE LANDFILL
is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process. A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An

emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device. [NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots) are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:
combustion - devices which burn fuel to generate heat, steam or power
incinerator - devices which burn waste material for disposal
control - emission control devices
process - any device or contrivance which may emit air contaminants that is not included in the above categories.

CHAFFEE LANDFILL is defined by the following emission unit(s):

Emission unit L00001 - WMNY operates a municipal solid waste (MSW) landfill with a total design capacity equal to 19,496,520 cubic yards (cy). This includes the Closed 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 and the Area 7/8 Expansion (LNDF4) of 5.1 million 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.

Emission unit L00001 is associated with the following emission points (EP):
L0001, L0002
Process: 183 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.

Process: 301 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.

Process: LEA 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.

Process: LGF 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 unit M00001 - 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.

Emission unit M00001 is associated with the following emission points (EP):
M0001, M0002
Process: PSB is located at Building MB - 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 unit P00001 - 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.

Emission unit P00001 is associated with the following emission points (EP):
00001, 00002, 00003, 00004, 00005, 00006, 00007, 00008
Process: 601 is located at Building GASPLANT - 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.

Process: 602 is located at Building GASPLANT - 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.

Process: 603 is located at Building GASPLANT - 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.

Permit ID: 9-1462-00001/00013
Renewal Number: 3
09/12/2022

Title V/Major Source Status
CHAFFEE LANDFILL is subject to Title V requirements. This determination is based on the following information:
The facility is major for Carbon Monoxide (CO).

Program Applicability
The following chart summarizes the applicability of CHAFFEE LANDFILL with regards to the principal air pollution
regulatory programs:

Regulatory Program	Applicability
PSD	NO
NSR (non-attainment)	NO
NESHAP (40 CFR Part 61)	YES
NESHAP (MACT - 40 CFR Part 63)	YES
NSPS	YES
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	YES
SIP	YES

NOTES:
PSD Prevention of Significant Deterioration (40 CFR 52, 6 NYCRR 231-7, 231-8) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NSR New Source Review (6 NYCRR 231-5, 231-6) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NESHAP National Emission Standards for Hazardous Air Pollutants (40 CFR 61, 6 NYCRR 200.10) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

MACT Maximum Achievable Control Technology (40 CFR 63, 6 NYCRR 200.10) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

NSPS New Source Performance Standards (40 CFR 60, 6 NYCRR 200.10) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of

the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

Title IV Acid Rain Control Program (40 CFR 72 thru 78, 6 NYCRR 201-6) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

Title VI Stratospheric Ozone Protection (40 CFR 82, Subpart A thru G, 6 NYCRR 200.10) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), HCFC's (hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.

RACT Reasonably Available Control Technology (6 NYCRR Parts 212-3, 220-1.6, 220-1.7, 220-2.3, 220-2.4, 226, 227-2, 228, 229, 230, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

SIP State Implementation Plan (40 CFR 52, Subpart HH, 6 NYCRR 200.10) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

Compliance Status
Facility is in compliance with all requirements.

SIC Codes
SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

SIC Code	Description
4953	REFUSE SYSTEMS

SCC Codes
SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information.Each SCC represents a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

SCC Code	Description
2-01-008-02	INTERNAL COMBUSTION ENGINES - ELECTRIC

	GENERATION ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - LANDFILL GAS Reciprocating
2-01-008-05	INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - LANDFILL GAS RECIPROCATING: CRANKCASE BLOWBY
4-02-001-10	SURFACE COATING OPERATIONS SURFACE COATING APPLICATION - GENERAL Paint: Solvent-Base
5-01-004-02	SOLID WASTE DISPOSAL - GOVERNMENT SOLID WASTE DISPOSAL: GOVERNMENT - LANDFILL DUMP FUGITIVE EMISSIONS
5-01-004-06	SOLID WASTE DISPOSAL - GOVERNMENT SOLID WASTE DISPOSAL: GOVERNMENT - LANDFILL DUMP LANDFILL GAS COLLECTION SYSTEM: OTHER
5-02-006-01	SOLID WASTE DISPOSAL - COMMERCIAL/INSTITUTIONAL SOLID WASTE DISPOSAL: COMMERCIAL - LANDFILL DUMP WASTE GAS FLARES ** (USE 5-01-004-10)
5-03-006-02	SOLID WASTE DISPOSAL - INDUSTRIAL SOLID WASTE DISPOSAL: INDUSTRIAL - LANDFILL DUMP Liquid Waste Disposal

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant , including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE for each contaminant that is displayed represents the facility-wide PTE in tons per year (tpy) or pounds per year (lbs/yr). In some instances the PTE represents a federally enforceable emissions cap or limitation for that contaminant. The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant	PTE lbs/yr	PTE tons/yr	Actual lbs/yr	Actual tons/yr
000079-34-5	1,1,2,2-TETRACHLOROETHANE				
000107-06-2	1,2-DICHLOROETHANE				
000108-10-1	2-PENTANONE,				

	4-METHYL
000071-43-2	BENZENE
0NY750-00-0	CARBON DIOXIDE EQUIVALENTS
000075-15-0	CARBON DISULFIDE
000630-08-0	CARBON MONOXIDE
000056-23-5	CARBON TETRACHLORIDE
000463-58-1	CARBONYL SULFIDE
000108-90-7	CHLOROBENZENE
000067-66-3	CHLOROFORM
000075-09-2	DICHLOROMETHANE
000071-55-6	ETHANE, 1,1,1-TRICHLORO
000075-34-3	ETHANE, 1,1-DICHLORO-
000075-00-3	ETHANE, CHLORO
000075-35-4	ETHENE,1,1-DICHLORO
000100-41-4	ETHYLBENZENE
000110-54-3	HEXANE
007647-01-0	HYDROGEN CHLORIDE
007439-97-6	MERCURY
000074-82-8	METHANE
0NY998-20-0	NMOC - LANDFILL USE ONLY
0NY210-00-0	OXIDES OF NITROGEN
0NY075-00-0	PARTICULATES
000127-18-4	PERCHLOROETHYLENE
0NY075-00-5	PM-10
000078-87-5	PROPANE, 1,2-DICHLORO
000107-13-1	PROPENENITRILE
007446-09-5	SULFUR DIOXIDE
000108-88-3	TOLUENE
0NY100-00-0	TOTAL HAP
000079-01-6	TRICHLOROETHYLENE
000075-01-4	VINYL CHLORIDE
0NY998-00-0	VOC
001330-20-7	XYLENE, M, O & P MIXT.

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10(b)
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

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

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

Item C: Certification by a Responsible Official - 6 NYCRR Part 201-6.2(d)(12)
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official.This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item D: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.4(a)(2)
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.4(a)(3)
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item G: Property Rights - 6 NYCRR 201-6.4(a)(6)
This permit does not convey any property rights of any sort or any exclusive privilege.

Item H: Severability - 6 NYCRR Part 201-6.4(a)(9)
If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

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

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

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

ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

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

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

Item J: Reopening for Cause - 6 NYCRR Part 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 2 01-6.7 and Part 621.

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

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

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

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

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

Item K: Permit Exclusion - ECL 19-0305

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

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

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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_02

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

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
FACILITY	ECL 19-0301	120	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 60-A	32	General provisions
FACILITY	40CFR 60-A.11	46	General provisions - compliance with standards and maintenance requirements
FACILITY	40CFR 60-A.12	47	General provisions - Circumvention
FACILITY	40CFR 60-A.14	48	General provisions - Modification
FACILITY	40CFR 60-A.15	49	General provisions - Reconstruction
L-00001/-/LGF/0LGF1	40CFR 60-A.18(c)	93	Control Device Requirements (Flares)
L-00001/-/LGF/FLR03	40CFR 60-A.18(c)	97	Control Device Requirements (Flares)
L-00001/-/LGF/0LGF1	40CFR 60-A.18(d)	94	Control Device Requirements (Flares)
L-00001/-/LGF/FLR03	40CFR 60-A.18(d)	98	Control Device Requirements (Flares)

L-00001/-/LGF/0LGF1	40CFR 60-A.18(e)	95	Control Device Requirements (Flares)
L-00001/-/LGF/FLR03	40CFR 60-A.18(e)	99	Control Device Requirements (Flares)
L-00001/-/LGF/0LGF1	40CFR 60-A.18(f)	96	Control Device Requirements (Flares)
L-00001/-/LGF/FLR03	40CFR 60-A.18(f)	100	Control Device Requirements (Flares)
FACILITY	40CFR 60-A.4	33	General provisions - Address
FACILITY	40CFR 60-A.7(a)	34	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(c)	35	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(d)	36	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(f)	37	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(g)	38	Notification and Recordkeeping
FACILITY	40CFR 60-A.8(a)	39	Performance Tests
FACILITY	40CFR 60-A.8(b)	40	Performance Tests
FACILITY	40CFR 60-A.8(c)	41	Performance Tests
FACILITY	40CFR 60-A.8(d)	42	Performance Tests
FACILITY	40CFR 60-A.8(e)	43	Performance Tests
FACILITY	40CFR 60-A.8(f)	44	Performance Tests
FACILITY	40CFR 60-A.9	45	General provisions - Availability of information
P-00001	40CFR 60-JJJJ	109	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
P-00001	40CFR 60-JJJJ.4233(e)	110	Emission limits for IC Engines > 100 HP
P-00001	40CFR 60-JJJJ.4243(b)(2	111	SI ICE - Maintenance Plan and testing
P-00001	40CFR 60-JJJJ.4244	112	Test methods and procedures
P-00001	40CFR 60-JJJJ.4245(a)	113	Notification, reporting and recordkeeping requirements
P-00001	40CFR 60-JJJJ.4245(c)	114	Initial notification for engines > 500 HP
P-00001	40CFR 60-JJJJ.4245(d)	115	Performance test requirements
FACILITY	40CFR 61-M	50	Asbestos standards for: asbestos mills, manufacturing operations using asbestos, and other sources
FACILITY	40CFR 61-M.154	51	Standard for active waste disposal sites
FACILITY	40CFR 63-A	52	Subpart A - General Provisions apply to all NESHAP affected sources
FACILITY	40CFR 63-AAAA.1957	53	Requirements for Gas Collection and Control System Installation and Removal

FACILITY	40CFR 63-AAAA.1958(a)	54	Operational Standards for Collection and Control Systems
FACILITY	40CFR 63-AAAA.1958(b)	55	Operational Standards for Collection and Control Systems
FACILITY	40CFR 63-AAAA.1958(c)	56	Operational Standards for Collection and Control Systems
FACILITY	40CFR 63-AAAA.1958(d)	57	Operational Standards for Collection and Control Systems
FACILITY	40CFR 63-AAAA.1959(b)	58	NMOC Calculation Procedures
FACILITY	40CFR 63-AAAA.1959(c)	59	NMOC Calculation Procedures
FACILITY	40CFR 63-AAAA.1959(d)	60	NMOC Calculation Procedures
FACILITY	40CFR 63-AAAA.1959(e)	61	NMOC Calculation Procedures
FACILITY	40CFR 63-AAAA.1960(a)	62	Compliance Provisions
FACILITY	40CFR 63-AAAA.1960(b)	63	Compliance Provisions
FACILITY	40CFR 63-AAAA.1960(c)	64	Compliance Provisions
FACILITY	40CFR 63-AAAA.1960(d)	65	Compliance Provisions
FACILITY	40CFR 63-AAAA.1960(e)	66	Compliance Provisions
FACILITY	40CFR 63-AAAA.1961(a)	67	Monitoring of Operations - Active Gas Collection Systems
FACILITY	40CFR 63-AAAA.1961(b)	68	Monitoring of Operations - Enclosed Combustors
FACILITY	40CFR 63-AAAA.1961(c)	69	Monitoring of Operations - Non-Enclosed Combustors
FACILITY	40CFR 63-AAAA.1961(f)	70	Monitoring of Operations - Surface Methane Standard
FACILITY	40CFR 63-AAAA.1962(a)	71	Specifications for Active Collection Systems
FACILITY	40CFR 63-AAAA.1962(b)	72	Specifications for Active Collection Systems
FACILITY	40CFR 63-AAAA.1962(c)	73	Specifications for Active Collection Systems
FACILITY	40CFR 63-AAAA.1981	74	Notifications, Records, and Reports
FACILITY	40CFR 63-AAAA.1981(e)	75	Notifications, Records, and Reports
FACILITY	40CFR 63-AAAA.1981(f)	76	Notifications, Records, and Reports
FACILITY	40CFR 63-AAAA.1981(g)	77	Notifications, Records, and Reports
FACILITY	40CFR 63-AAAA.1981(h)	78	Notifications, Records, and Reports
FACILITY	40CFR 63-AAAA.1981(j)	79	Notifications, Records, and Reports
FACILITY	40CFR 63-AAAA.1981(k)	80	Notifications, Records, and Reports
FACILITY	40CFR 63-AAAA.1981(l)	81	Notifications, Records, and Reports
FACILITY	40CFR 63-AAAA.1981(m)	82	Notifications, Records, and Reports

FACILITY	40CFR 63-AAAA.1981(n)	83	Notifications, Records, and Reports
FACILITY	40CFR 63-AAAA.1983(a)	84	Record Keeping Requirements
FACILITY	40CFR 63-AAAA.1983(b)	85	Record Keeping Requirements
FACILITY	40CFR 63-AAAA.1983(c)	86	Record Keeping Requirements
FACILITY	40CFR 63-AAAA.1983(d)	87	Record Keeping Requirements
FACILITY	40CFR 63-AAAA.1983(e)	88	Record Keeping Requirements
P-00001	40CFR 63-ZZZZ.6600(c)	116	Reciprocating Internal Combustion Engine (RICE) NESHAP - existing RICE
P-00001	40CFR 63-ZZZZ.6603(a)	117	Reciprocating Internal Combustion Engine (RICE) NESHAP - requirements for existing engines at area sources of HAP emissions
P-00001	40CFR 63-ZZZZ.6625	118	Reciprocating Internal Combustion Engine (RICE) NESHAP - Monitoring and maintenance requirements
P-00001	40CFR 63-ZZZZ.6655	119	Reciprocating Internal Combustion Engine (RICE) NESHAP - Record keeping requirements
FACILITY	40CFR 68	18	Chemical accident prevention provisions
FACILITY	40CFR 82-F	19	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	1	Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	10	Maintenance of equipment.
FACILITY	6NYCRR 201-1.4	121	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	11	Recycling and Salvage
FACILITY	6NYCRR 201-1.8	12	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.2(a)	13	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3(a)	14	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6	20, 21, 89, 90	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.4(a)(4)	15	General Conditions - Requirement to Provide Information
FACILITY	6NYCRR 201-6.4(a)(7)	2	General Conditions - Fees

FACILITY	6NYCRR 201-6.4(a)(8)	16	General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4(c)	3	Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.4(c)(2)	4	Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201-6.4(c)(3)(ii	5	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4(d)(4)	22	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4(e)	6	Compliance Certification
FACILITY	6NYCRR 201-6.4(f)	23, 24	Operational Flexibility
FACILITY	6NYCRR 201-6.5(a)	122, 123, 124	State Enforceable Requirements
FACILITY	6NYCRR 201-7.1	91	Emission Capping in Facility Permits
P-00001	6NYCRR 202-1	107	Emission Testing, Sampling and Analytical Determinations
FACILITY	6NYCRR 202-1.1	17	Required emissions tests.
FACILITY	6NYCRR 202-1.3(a)	25	Acceptable procedures - reference methods
FACILITY	6NYCRR 202-2.1	7	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.4(a)(3)	26	Emission statement methods and procedures
FACILITY	6NYCRR 202-2.5	8	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.1	125	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 211.2	27	General Prohibitions - visible emissions limited.
FACILITY	6NYCRR 212-2.4(b)	28	Control of Particulate from New and Modified Process Emission Sources
FACILITY	6NYCRR 215.2	9	Open Fires - Prohibitions
FACILITY	6NYCRR 225-1.2(d)	29	Sulfur-in-Fuel Limitation - Distillate Oil
FACILITY	6NYCRR 226-1.1	30	Applicability
FACILITY	6NYCRR 227-1.3(c)	31	Annual Tune-up Requirement
P-00001	6NYCRR 227-2.4(f)(2)	108	Emission limit for engines running on landfill gas.
L-00001	6NYCRR 227-2.4(g)	92	Other combustion installations.
M-00001	6NYCRR 228-1.3(b)(1)	101	General Requirements - Record Keeping
M-00001	6NYCRR 228-1.3(d)	102	Surface Coating General Requirements-

			Handling, storage and disposal
M-00001	6NYCRR 228-1.3(e)	103	Surface Coating - General control requirements (Class A & most B)
M-00001	6NYCRR 228-1.4(b)(4)(ii	104	Misc. metal parts coatingsVOC content limits

Applicability Discussion:
Mandatory Requirements: The following facility-wide regulations are included in all Title V permits:

ECL 19-0301
This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

6 NYCRR 200.6
Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

6 NYCRR 200.7
Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

6 NYCRR 201-1.4
This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR 201-1.7
Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8
Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)
An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, 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.

6 NYCRR 201-3.3 (a)
The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to 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.

6 NYCRR Subpart 201-6
This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.4 (a) (4)
This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.4 (a) (7)
This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.4 (a) (8)
This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

6 NYCRR 201-6.4 (c)
This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.4 (c) (2)
This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.4 (c) (3) (ii)
This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.4 (d) (4)
This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted

semiannually.

6 NYCRR 201-6.4 (e)
Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 202-1.1
This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.5
This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to department representatives.

6 NYCRR 211.2
This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

6 NYCRR 215.2
Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

40 CFR Part 68
This Part lists the regulated substances and there applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

40 CFR Part 82, Subpart F
Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act AmENDments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

Facility Specific Requirements
In addition to Title V, CHAFFEE LANDFILL has been determined to be subject to the following regulations:
40 CFR 60.11
This regulation specifies the type of opacity monitoring requirements in relation to compliance with the standards and maintenance requirements.

40 CFR 60.12

This regulation prohibits an owner or operator from concealing emissions in violation of applicable standards by any means.

40 CFR 60.14
This regulation defines the term modification and what is and is not considered to be a modification, for the purpose of rule applicability.

40 CFR 60.15
This regulation defines the term reconstruction and what is and is not considered to be a reconstruction project, for the purpose of rule applicability.

40 CFR 60.18 (c)
This regulation specifies the operating parameters and testing methods used to operate and monitor a flare that is being used as an air pollution control device (as required by a new source performance standard).

40 CFR 60.18 (d)
This regulation specifies the operating parameters and testing methods used to operate and monitor a flare that is being used as an air pollution control device (as required by a new source performance standard).

40 CFR 60.18 (e)
This regulation specifies the operating parameters and testing methods used to operate and monitor a flare that is being used as an air pollution control device (as required by a new source performance standard).

40 CFR 60.18 (f)
This citation states that Method 22 shall be used to determine visible emissions from flares.

40 CFR 60.4
This condition lists the USEPA Region 2 address for the submittal of all communications to the "Administrator". In addition, all such communications must be copied to NYSDEC Bureau of Quality Assurance (BQA).

40 CFR 60.4233 (e)
This regulation sets the emission limit for internal combustion engines greater than 100 horsepower.

40 CFR 60.4243 (b) (2) (ii)

This regulation requires the owner or operator of a stationary SI internal combustion engine greater than 500 HP to 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.

40 CFR 60.4244
This regulation specifies the test methods and procedures to be used by owners or operators of spark iginted internal combustion engines.

40 CFR 60.4245 (a)
This regulation sets forth the notification, reporting and recordkeeping requirements for 40 CFR 60 Subpart JJJJ, for owners and operators of stationary spark ignited internal combustion engines.

40 CFR 60.4245 (c)
This regulation sets forth the notification requirements for engines larger than 500 horsepower.

40 CFR 60.4245 (d)

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.

40 CFR 60.7 (a)
This regulation requires any owner or operator subject to a New Source Performance Standard (NSPS) to furnish the Administrator with notification of the dates of: construction or reconstruction, initial startup, any physical or operational changes, commencement of performance testing for continuous monitors and anticipated date for opacity observations as required.

40 CFR 60.7 (c)
This requirement details the information to be submitted in excess emissions and monitoring systems performance reports which must be submitted at least semi-annually for sources with compliance monitoring systems.

40 CFR 60.7 (d)
This condition specifies the required information and format for a summary report form and details when either a summary form and/or excess emissions reports are required.

40 CFR 60.7 (f)
This condition specifies requirements for maintenance of files of all measurements, including continuous monitoring system (CMS), monitoring device, and performance testing measurements; all CMS performance evaluations; all CMS or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices for at least two years.

40 CFR 60.7 (g)
This condition allows source owners to use reporting required for state or local agencies to satisfy the paragraph (a) reporting requirements of this section of this rule.

40 CFR 60.8 (a)
This regulation contains the requirements for the completion date and reporting of Performance Testing (stack testing), at the facility. Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, the owner or operator of the facility must conduct performance test(s) and furnish a written report of the test results.

40 CFR 60.8 (b)
This regulation contains the requirements for Performance test methods and procedures, to be used by the owner or operator , of the affected facility.

40 CFR 60.8 (c)
This condition contains the requirements for operating conditions, of the emission source, during performance testing.

40 CFR 60.8 (d)
This regulation contains the requirements for advance notification of Performance (stack) testing.

40 CFR 60.8 (e)
This regulation requires the facility to provide appropriate sampling ports, safe platforms and utilities as necessary for Performance (stack) testing.

40 CFR 60.8 (f)
This regulation requires that Performance (stack) tests consist of three runs unless otherwise specified. The rule also designates the allowable averaging methods for the analysis of the results.

40 CFR 60.9
This rule citation allows the public access to any information submitted to the EPA Administrator (or state contact), in conjunction with a project subject to this section of the regulation.

40 CFR 61.154
This condition requires that there be no visible emissions from any active disposal area of the landfill where asbestos containing waste has been placed or that this type of area be covered to prevent disturbance of the asbestos containing waste.

40 CFR 63.1957

This citation states the requirements installation and removal of gas collection and control systems.

40 CFR 63.1958 (a)
This citation specifies how the owner or operator of a municipal solid waste landfill with a gas collection system shall operate that system.

40 CFR 63.1958 (b)
This citation specifies that landfill gas collections and control systems must be operated at negative pressure at each wellhead except under certain specified conditions.

40 CFR 63.1958 (c)
This citation describes the operating temperature requirement for each interior wellhead in the landfill gas collection system.

40 CFR 63.1958 (d)
This citation describes the operating procedures for limiting the surface concentration of methane at municipal solid waste landfills using gas collection systems.

40 CFR 63.1959 (b)
This citation requires the owner or operator of a municipal solid waste landfill with a design capacity greater than 2.5 million megagrams and 2.5 million cubic meters to install a landfill gas collection and control system upon meeting the applicable NMOC or methane emission standards.

40 CFR 63.1959 (c)
This citation requires the owner or operator of a municipal solid waste landfill to determine the Non-Methane Organic Compound (NMOC) emission rate for purposes of determining when the collection and control system can be capped, removed, or decommissioned.

40 CFR 63.1959 (d)
This citation describes the appropriate test methods to be used when determining Non-Methane Organic Compound (NMOC) emissions from a municipal solid waste landfills control system.

40 CFR 63.1959 (e)
This citation describes the appropriate test methods and procedures for determining the net heating value of combusted landfill gas in non-enclosed flares.

40 CFR 63.1960 (a)
This citation describes the methods that the owner or operator of a municipal solid waste landfill must use to demonstrate compliance with the landfill gas collection and control system requirements of Subpart AAAA.

40 CFR 63.1960 (b)
This section describes the required frequency at which landfill gas collection wells or design components must be installed after solid waste has been placed in the landfill.

40 CFR 63.1960 (c)
This section describes the monitoring methods to be used demonstrating compliance with the surface methane operational standard.

40 CFR 63.1960 (d)
This section describes the instrumentation specifications and procedures for surface monitoring devices used to demonstrate compliance with the requirements of Subpart AAAA.

40 CFR 63.1960 (e)
This citation states that the provisions of Subpart AAAA, apply at all times, including periods of start-up, shutdown, and malfunction.

40 CFR 63.1961 (a)
This citation describes the monitoring procedures for municipal solid waste landfills that are equipped with active gas collection systems.

40 CFR 63.1961 (b)
This citation describes the monitoring procedures for municipal solid waste landfills that are equipped with an enclosed combustor for controlling landfill gas emissions.

40 CFR 63.1961 (c)
This citation describes the monitoring procedures for municipal solid waste landfills equipped with a non-

enclosed flare to control landfill gas emissions.

40 CFR 63.1961 (f)
This citation describes the monitoring procedures for municipal solid waste landfills demonstrating compliance with the surface methane concentration standard to meet the requirements of 40 CFR Part 63, Subpart AAAA.

40 CFR 63.1962 (a)
This section describes the siting and design requirements for active gas collection wells at municipal solid waste landfills that are subject to the requirements of Subpart AAAA.

40 CFR 63.1962 (b)
This section describes the required design and construction of active landfill gas collections systems at municipal solid waste landfills subject to the requirements of Subpart AAAA.

40 CFR 63.1962 (c)
This section describes the design and construction requirements for landfill gas conveyance systems at municipal solid waste landfills subject to the requirements of Subpart AAAA.

40 CFR 63.1981
This section describes the reports that are required to be submitted by the owner or operator of a municipal solid waste landfill that are subject the requirements of Subpart AAAA.

40 CFR 63.1981 (e)
This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, to submit a revised design plan in certain situations.

40 CFR 63.1981 (f)
The owner or operator of a controlled landfill must submit an equipment removal report to the DEC 30 days prior to removal or cessation of operation of the control equipment.

40 CFR 63.1981 (g)
This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, to submit an equipment removal report to the DEC 30 days prior to the removal or cessation of operation of any control equipment.

40 CFR 63.1981 (h)
This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, using an active collection system to submit semi-annual reports.

40 CFR 63.1981 (j)
This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, to submit certain information regarding corrective actions to DEC.

40 CFR 63.1981 (k)
This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, to submit a report to DEC when the wellhead temperature is >= to 170 degrees Fahrenheit.

40 CFR 63.1981 (l)
This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, to submit electronic reports to the USEPA.

40 CFR 63.1981 (m)
This section specifies for the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, the requirements for submitting electronic reports to the USEPA due to a claim of an EPA system outage.

40 CFR 63.1981 (n)
This section specifies for the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, the requirements for submitting electronic reports to the USEPA due to a claim of force majeure.

40 CFR 63.1983 (a)

This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, to maintain various records at the facility.

40 CFR 63.1983 (b)
This section describes the various records that must be kept by the owner or operator of a municipal solid waste landfill that is subject to the requirements of Subpart AAAA.

40 CFR 63.1983 (c)
This section describes the recordkeeping requirements for equipment operating parameters at municipal solid waste landfills that are subject to the requirements of Subpart AAAA.

40 CFR 63.1983 (d)
This section describes the recordkeeping requirements for plot maps showing the location of all existing and planned landfill gas collectors at municipal solid waste landfills subject to the requirements of Subpart AAAA.

40 CFR 63.1983 (e)
This section describes the record keeping requirements for collection and control system exceedances that occur at municipal solid waste landfills subject to the requirements of 40 CFR Part 63, Subpart AAAA.

40 CFR 63.6600 (c)
This condition exempts certain types of engines from having to meet any of the formaldehyde emission limits or operating limits that are listed in tables 1a, 1b, 2a, or 2b.

40 CFR 63.6603 (a)
These conditions list the emission limits, operating limits, and work practices that existing engines located at an area source of HAP emissions must meet.

The engines must meet work practices, emission limits, and operating limits on carbon monoxide or formaldehyde for the specific type of engine listed in table 2d of subpart ZZZZ.

40 CFR 63.6625
This condition sets forth the monitoring, installation, operation, and maintenance requirements for the emissions of hazardous air pollutants from stationary reciprocating iternal combustion engines.

40 CFR 63.6655
This regulation sets forth the record keeping requirements for owners or operators of stationary internal combustion engines at facilities with emissions of hazardous air pollutants.

40 CFR Part 60, Subpart A
This regulation contains the General Provisions of 40 CFR 60. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements

40 CFR Part 60, Subpart JJJJ
Subpart JJJJ applies to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified in §60.4230, paragraphs (a)(1) through (6). Sources subject to Subpart JJJJ must comply with emission standards for nitrogen oxides, carbon monoxide, and volatile organic compounds.

40 CFR Part 61, Subpart M
This is the National Emission Standard for Asbestos and it includes provisions for handling and disposing of asbestos.

40 CFR Part 63, Subpart A
The General Provisions in 40CFR63, Subpart A apply to facilities subject to other National Emission Standards for Hazardous Air Pollutants for Source Categories (NESHAP) regulations in 40 CFR 63. These rules are also known as MACT rules since they are based on attaining Maximum Achievable Control Technology. Each MACT rule has a table or section that descibe which portions of the General Provisions apply to facilities covered by that particular rule and which portions are overridden or do not apply. Note that NESHAP regulations found in 40CFR61 do **not** trigger the general provisions of 40CFR63.

6 NYCRR 201-6.4 (f)
This section describes the potential for certain operational changes to be made by the facility owner or operator without first obtaining a permit modification. Changes made pursuant to this provision must meet all of the criteria described in this section to qualify for consideration as operational flexibility. The Department reserves the right to require the facility owner or operator to obtain a permit modification prior to making any changes at the facility pursuant to this section.

6 NYCRR 201-6.5 (a)
This subdivision states that the Department shall include state enforceable conditions in Title V permits. State enforceable conditions related to regulations developed pursuant to the Climate Leadership and Community Protection Act (CLCPA) and Article 75 of New York State Environmental Conservation Law may be included in future versions of this permit, as applicable.

6 NYCRR 201-7.1
This section of Part 201-7 specifies the criteria that need to be met in order to restrict emissions to avoid Title V or other applicable requirements using federally enforceable permit conditions permit.

6 NYCRR 202-1.3 (a)
This regulation requires that any emission testing, sampling and analytical determination used to determine compliance must use methods acceptable to the department. Acceptable test methods may include but are not limited to the reference methods found in 40 CFR Part 60 appendix A and Part 61, appendix B. In addition, unless otherwise specified, all emission test reports must be submitted within 60 days after completion of testing.

6 NYCRR 202-2.4 (a) (3)
Once a facility is required to submit annual emission statements electronically, emission statements must be submitted to the department per the specified schedule, in this regulation beginning the reporting year that a Title V permit containing a condition mandating electronic submittal is issued.

6 NYCRR 211.1
This regulation requires that 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.

6 NYCRR 212-2.4 (b)
Particulate emissions from any process emission source, which received a B or C Environmental Rating, and for which an application was received by the department after July 1, 1973 are restricted to 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

6 NYCRR 225-1.2 (d)
This subdivision sets the sulfur-in-fuel limitation for distillate oil fired emission sources throughout the State.

6 NYCRR 226-1.1
This Subpart describes degreasers.

6 NYCRR 227-1.3 (c)
This subdivision requires that all stationary combustion installations subject to this subpart perform an annual tune-up.

6 NYCRR 227-2.4 (f) (2)
This regulation sets the limit for emissions of oxides of nitrogen from internal combustion engines running on landfill gas at 2.0 grams per brake horsepower-hour. The owner/operaator of the engine must test the emissions one during the term of the permit.

6 NYCRR 227-2.4 (g)
This subdivision establishes NOx RACT for emission sources that are subject to this rule but not specifically regulated under the other source categories of this rule.

6 NYCRR 228-1.3 (b) (1)
This regulation requires the facility owner or operator to maintain a certification from the coating manufacturer that contains the information used to determine the as-applied volatile organic compound content of the coating. In addition, the facility owner or operator is required to maintain records of other information used to determine compliance with Part 228-1.

6 NYCRR 228-1.3 (d)
This citation directs the owners or operators of coating operations to minimize the emissions of volatile organic compounds to the atmosphere by properly handling, storing and disposing of coatings containing volatile organic compounds.

6 NYCRR 228-1.3 (e)
This regulation outlines the general control requirements for emissions of volatile organic compounds related to surface coating.

6 NYCRR 228-1.4 (b) (4) (ii)

A facility applying miscellaneous metal parts coatings and using compliant coatings as a compliance technique may not use coatings with VOC contents, as applied, which exceed the limits specified in table B4.

6 NYCRR Subpart 202-1

This subpart of Part 202 establishes the general criteria for verifying emissions by means of emissions sampling, testing and associated analytical determinations.

Compliance Certification
Summary of monitoring activities at CHAFFEE LANDFILL:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring
FACILITY	35	record keeping/maintenance procedures
P-00001	109	record keeping/maintenance procedures
P-00001	110	record keeping/maintenance procedures
P-00001	111	record keeping/maintenance procedures
P-00001	113	record keeping/maintenance procedures
P-00001	114	record keeping/maintenance procedures
FACILITY	54	record keeping/maintenance procedures
FACILITY	55	work practice involving specific operations
FACILITY	56	work practice involving specific operations
FACILITY	57	ambient air monitoring
FACILITY	58	record keeping/maintenance procedures
FACILITY	59	record keeping/maintenance procedures
FACILITY	60	record keeping/maintenance procedures
FACILITY	61	record keeping/maintenance procedures
FACILITY	64	record keeping/maintenance procedures
FACILITY	65	record keeping/maintenance procedures
FACILITY	67	record keeping/maintenance procedures
FACILITY	68	record keeping/maintenance procedures
FACILITY	69	record keeping/maintenance procedures
FACILITY	70	ambient air monitoring
FACILITY	71	record keeping/maintenance procedures
FACILITY	72	record keeping/maintenance procedures
FACILITY	73	record keeping/maintenance procedures
FACILITY	84	record keeping/maintenance procedures
FACILITY	85	record keeping/maintenance procedures
FACILITY	86	record keeping/maintenance procedures
FACILITY	87	record keeping/maintenance procedures
FACILITY	88	record keeping/maintenance procedures
P-00001	116	record keeping/maintenance procedures
P-00001	117	record keeping/maintenance procedures
P-00001	118	record keeping/maintenance procedures
P-00001	119	record keeping/maintenance procedures
FACILITY	21	monitoring of process or control device parameters as surrogate
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures

FACILITY	24	record keeping/maintenance procedures
FACILITY	122	work practice involving specific operations
FACILITY	123	record keeping/maintenance procedures
FACILITY	124	ambient air monitoring
P-00001	105	monitoring of process or control device parameters as surrogate
P-00001	106	monitoring of process or control device parameters as surrogate
P-00001	107	record keeping/maintenance procedures
FACILITY	7	record keeping/maintenance procedures
FACILITY	28	intermittent emission testing
FACILITY	29	work practice involving specific operations
FACILITY	31	record keeping/maintenance procedures
P-00001	108	intermittent emission testing
L-00001	92	record keeping/maintenance procedures
M-00001	101	record keeping/maintenance procedures
M-00001	104	intermittent emission testing

Basis for Monitoring
WMNY is subject to the requirements specified in the New Source Performance Standards for Municipal Solid Waste Landfills – 40 CFR63 Subpart AAAA. 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. This also 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.

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).

In connection with the New York State Climate Leadership and Community Protection Act (CLCPA) and Article 75 of the Environmental Conservation Law, Waste Management of New York LLC (WMNY) has evaluated the Area 7-8 Development (Emission Source: LNDF4) and has committed to the following measures for the landfill gas collection system that will assist with reducing fugitive methane emissions from the landfill:

1) The quarterly surface emission monitoring scans will include monitoring of all penetrations through areas of intermediate and final cover. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.

The owner or operator must monitor the surface concentrations of methane according to the procedures found in 40 CFR 60.765(c)(1-4) and the instrument specifications in 40 CFR 60.765(d). Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may reduce the monitoring frequency to semiannually. Any methane reading of 500 ppm or more above background detected during the semiannual monitoring returns the frequency for that landfill to quarterly monitoring.

The Department reserves the right to require the facility to perform a drone scan (or some equivalent method) to determine if gas emissions are coming from areas that are unable to be scanned and conditions warrant these areas to be scanned. The Department will notify the facility if this becomes applicable.

The facility shall maintain records of the quarterly monitoring and corrective actions on site for a period of at least 5 years from the date of the record. The quarterly reports and subsequent corrective actions shall be provided in the semiannual monitoring report required by this permit.

2) The facility must perform monthly waste cover inspections and immediately implement corrective actions if the cover is found to be deficient. Where corrective action is unable to be completed within 5 days of the instance where cover is found to be deficient, the facility shall contact the Department within five days with a plan, in writing, to correct the deficiency for Department approval. Areas where cover repairs are deemed necessary (such as due to stressed vegetation, or erosion) will also be scanned with a methane detection instrument, the data recorded and repairs scheduled, completed and documented. Completed repairs will be verified to be <500 ppm methane at the landfill surface. GPS coordinates of the repair will be recorded. These areas will be added to the next quarterly surface scan event.

The facility shall maintain records on site of the monthly waste cover inspections and any corrective actions taken, in a format acceptable to the Department, for a period of at least 5 years from the date of the record. The summary of instances where the cover was found to be deficient and subsequent corrective actions taken shall be provided in the semiannual monitoring report required by this permit.

3) In order to demonstrate that the landfill gas collection system is operating properly, landfill personnel shall measure gauge pressure in the gas collection header applied to each individual horizontal and vertical collector, including non-NSPS applicable collectors, on a monthly basis. If positive pressure exists, corrective action shall be taken within 5 days except under the following conditions:

a) A fire or increased well temperature. The owner or operator must record instances when positive pressure occurs in efforts to avoid a fire. These records must be submitted with the semiannual monitoring reports required by this permit.

b) Use of a geomembrane or synthetic cover. The owner or operator must develop acceptable pressure limits in the design plan.

c) A decommissioned well. A well may experience a static positive pressure after shutdown to accommodate declining flows. All design changes must be approved by the Department.