

Facility DEC ID: 9023200003

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-0232-00003/00012
Effective Date: 08/22/2019 Expiration Date: 08/21/2024

Permit Issued To:HYLAND FACILITY ASSOCIATES
25 GREENS HILL LN
RUTLAND, VT 05702

Facility: HYLAND LANDFILL
6653 HERDMAN RD
ANGELICA, NY 14709

Contact: SAMUEL NICOLAI
CASELLA WASTE SYSTEMS INC DIRECTOR OF LANDFILL
ENGINEERING
25 GREEN HILL LN
RUTLAND, VT 05701
(802) 772-2254

Description:

Hyland Facility Associates, Inc. owns and operates the Hyland MSW Landfill located in Angelica, NY. The Landfill consists of five (5) permitted cells (76.3 acres) with an annual waste acceptance rate of 465,000 tons per year and a design capacity of approximately 14,169,300 cubic yards.

The Landfill has an active gas collection and control system (GCCS) that transports the landfill gas (LFG) to a landfill gas-to-energy (LFGTE) plant containing three (3) Caterpillar G3520 landfill gas internal combustion engine/generator sets (1,600 kw each) combusting together nearly 1,650 cfm. In addition, the landfill has a permitted 3,000 cfm open flare that serves as backup to the LFGTE plant. LFG that escapes the GCCS is accounted for in fugitive emissions. Exempt emissions sources include three (3) emergency generators (less than 400 hp each), two (2) degreaser units and one (1) maintenance shop heater (less than 10 MMBTU).

This permit action includes the Title V permit renewal Ren 1, Mod 0 and modifications as listed below.

The previous Title V permit modification Ren 0 Mod 1 (submitted 2011) was issued to allow the annual waste tonnage be increased by 49 percent. The modification was determined to be a major Prevention of Deterioration (PSD) project for greenhouse (GHG) emissions, only. Hyland Landfill was required to implement Best Available Control Technology (BACT) for GHG emissions. BACT included early implementation of the New Source Performance Standards for Municipal Solid Waste Landfills (NSPS-WWW) and National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills (NESHAP-AAAA). In 2014, the U.S. Supreme Court ruled that a source classified as PSD major based solely on GHG emissions will no longer require PSD permits. As such, the PSD

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conditions have been removed from the permit and replaced with the NSPS-WWW and NESHAP-AAAA requirements.

As part of the application for the renewal permit, an updated emission inventory was provided. The inventory included the potential-to-emit for all emission sources at the facility. Based on the updated emission inventory, the potential carbon monoxide emissions increased from 235 tons per year (tpy) after the last modification to 249 tpy. The current actual carbon monoxide emissions are 215 tpy. The primary difference in emission estimates is due to the engines increased capability to combust a total rate of landfill gas from 1,500 cfm to 1,650 cfm. As such, a facility carbon monoxide emission limit of 245 tpy was added to the permit to ensure the PSD threshold of 250 tpy from the prior modification is not exceeded.

The updated emission inventory also included formaldehyde emissions produced from the incomplete combustion in the LFG engines. Formaldehyde is a hazardous air pollutant (HAP) and emissions from incomplete combustion were not accounted for in the original application. Formaldehyde emission data is now available from the engine manufacturer based on testing at other LFGTE facilities and other technical data. Based on the updated emission estimates, the potential total HAP emissions are 38 tpy and the formaldehyde emissions are 29 tpy. As such, the facility status was changed from a non-major Title V HAP source to a major Title V HAP facility.

40 CFR 63 Subpart ZZZZ requirements for stationary internal combustion engines were changed to the major source HAP requirements.

40 CFR 60 Subpart IIII requirements for stationary internal combustion engines were added for one of the emergency generators.

40CFR 61.154, NESHAP Subpart M requirements for Asbestos-containing waste material standard for active waste disposal sites were added to the permit.

6NYCRR Part 225-1 sulfur in fuel limits were added for the emergency generators.

A non-applicability statement to the New Source Performance Standard for Municipal Solid Waste Landfills (NSPS-XXX), which became effective on October 28, 2016, was added to the permit.

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: DAVID S DENK
 DIVISION OF ENVIRONMENTAL PERMITS
 270 MICHIGAN AVE
 BUFFALO, NY 14203-2915

Authorized Signature: _____ Date: ____ / ____ / ____

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Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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

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- 5 4 Permit modifications, suspensions or revocations by the Department

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- 5 5 Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS

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DEC GENERAL CONDITIONS

**** General Provisions ****

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department**Applicable State Requirement: ECL 19-0305****Item 1.1:**

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

Item 1.2:

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

Item 1.3:

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

Condition 2: Relationship of this Permit to Other Department Orders and Determinations**Applicable State Requirement: ECL 3-0301 (2) (m)****Item 2.1:**

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

Condition 3: Applications for permit renewals, modifications and transfers**Applicable State Requirement: 6 NYCRR 621.11****Item 3.1:**

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

Item 3.2:

The permittee must submit a renewal application at least 180 days before 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

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submitted prior to actual transfer of ownership.

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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 9
HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2915
(716) 851-7165

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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25 GREENS HILL LN
RUTLAND, VT 05702

Facility: HYLAND LANDFILL
6653 HERDMAN RD
ANGELICA, NY 14709

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES
4953 - REFUSE SYSTEMS

Permit Effective Date: 08/22/2019

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25	27	6 NYCRR 211.2: Visible Emissions Limited
25	28	40CFR 60.752(b)(2), NSPS Subpart WWW: Compliance Certification
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- 47 42 40CFR 60.758, NSPS Subpart WWW: Compliance Certification
 - 49 43 40CFR 60.759(a), NSPS Subpart WWW: Specifications for active collection systems
 - 50 44 40CFR 60.759(b), NSPS Subpart WWW: Specifications for active collection systems
 - 51 45 40CFR 60.759(c), NSPS Subpart WWW: Specifications for active collection systems
 - 51 46 40CFR 61, NESHAP Subpart M: Compliance Certification
 - 55 47 40CFR 61.154, NESHAP Subpart M: Asbestos-containing waste material standard for active waste disposal sites
 - 55 48 40CFR 63.1935, Subpart AAAA: Compliance Certification
- Emission Unit Level**
- 56 49 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 - 57 50 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=1-EXMPT,Proc=EMG

- 60 51 6 NYCRR 225-1.2 (h): Compliance Certification
- 60 52 6 NYCRR 227-1.3 (a): Compliance Certification
- 61 53 40CFR 63, Subpart ZZZZ: Compliance Certification

EU=1-EXMPT,Proc=EMG,ES=01EMG

- 62 54 40CFR 60, NSPS Subpart IIII: Compliance Certification

EU=1-EXMPT,Proc=VOC

- 64 55 6 NYCRR Part 226: Compliance Certification

EU=1-LFGTE

- 66 56 6 NYCRR Subpart 201-6: Compliance Certification
- 67 57 6 NYCRR Subpart 201-6: Compliance Certification
- 69 58 6 NYCRR Subpart 201-6: Compliance Certification
- 70 59 6 NYCRR 227-1.3 (a): Compliance Certification

EU=1-LFGTE,Proc=ENG

- 71 60 40CFR 63, Subpart ZZZZ: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

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- 75 61 ECL 19-0301: Contaminant List
- 76 62 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 76 63 6 NYCRR 211.1: Air pollution prohibited
- 77 64 6 NYCRR 211.1: Compliance Demonstration

NOTE: * preceding the condition number indicates capping.

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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 1/FINAL

**** 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

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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

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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

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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 between the dates of 08/22/2019 and 08/21/2024**

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

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contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 2.1:

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

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 3.1:

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

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

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

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 08/22/2019 and 08/21/2024

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

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reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

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,

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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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2020.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

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

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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
270 Michigan Avenue
Buffalo, NY 14203-2915

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance

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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 1/30/2020.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

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. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

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

Condition 8: Recordkeeping requirements
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:6 NYCRR 202-2.5

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

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

Condition 9: Open Fires - Prohibitions
Effective between the dates of 08/22/2019 and 08/21/2024

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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

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SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE

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

Condition 10: Maintenance of Equipment
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

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

Condition 11: Recycling and Salvage
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 08/22/2019 and 08/21/2024

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.

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Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 14.1:

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

Condition 15: Requirement to Provide Information
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 15.1:

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

Condition 16: Right to Inspect
Effective between the dates of 08/22/2019 and 08/21/2024

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.

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Condition 17: Off Permit Changes

Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 17.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

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

Condition 18: Required Emissions Tests

Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

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

Condition 19: Accidental release provisions.

Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

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b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:40CFR 82, Subpart F

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

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

Condition 21: Emission Unit Definition
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:
 The facility is authorized to perform regulated processes under this permit for:
 Emission Unit: 1-EXMPT
 Emission Unit Description:
 Emission unit 1-EXMPT includes emission sources that are exempt from permitting as allowed in accordance with 6 NYCRR Part 201-3 but are subject to other applicable requirements.

Building(s): ENGBLDG

Item 21.2:
 The facility is authorized to perform regulated processes under this permit for:
 Emission Unit: 1-LFGTE
 Emission Unit Description:
 Emission Unit 1-LFGTE includes the landfill gas-to-energy

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(LFGTE) plant. The LFGTE plant consists of a landfill gas treatment system that provides fuel for use in three (3) Caterpillar G3520 landfill gas internal combustion engines connected to individual electricity generators. Landfill gas that is collected and used for fuel in the engines is treated by a system that has an absolute filtration rating of 10 microns or less, lowers the water dew point of the landfill gas by at least 20 degrees Fahrenheit with a dewatering process, and compresses the landfill gas. The LFG treatment system is operated at all times when gas is routed to the engines for use.

Building(s): ENGBLDG

Item 21.3:

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

Emission Unit: 1-LNDFL

Emission Unit Description:

Emission Unit 1-LNDFL includes the landfill gas generated by Cells 1, 2, 3, 4 and 5, an active gas collection system collecting an estimated 75% of the landfill gas generated (remainder considered fugitive emissions) and operation of a 3,000 cfm open flare that serves as backup to the LGTE Plant.

Condition 22: Compliance Certification**Effective between the dates of 08/22/2019 and 08/21/2024****Applicable Federal Requirement:6 NYCRR Subpart 201-6****Item 22.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 22.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

(1) Hyland Landfill shall maintain records to document the actual annual waste acceptance rate. The actual annual waste acceptance rate shall be determined by January 30 of each subsequent calendar year.

(2) If the actual annual waste acceptance rate exceeds 465,000 tons the facility shall input the actual waste 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

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applicability to New Source Review (6NYCRR Part 231-6), Prevention of Significant Deterioration (6NYCRR Part 231-8), and 6NYCRR Part 227-2 shall be provided to the Department within 30 days of the recorded waste increase.

(3) User inputs to the LandGEM model may include site specific model parameters for k and Lo based on actual measured historic landfill gas flow data, default model parameters, non-degradable waste, and waste density. Guidance can be obtained from the EPA document “Compilation of Air Pollution Emission Factors” (AP-42); EPA Questions and Answers – Municipal Solid Waste Landfill New Source Performance Standards (NSPS) and Emission Guidelines (EG) Revised May, 2002; the EPA LandGEM User’s Guide and other approved guidance documents.

Parameter Monitored: MUNICIPAL SOLID WASTE

Upper Permit Limit: 465000 tons per year

Monitoring Frequency: ANNUALLY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 23: Progress Reports Due Semiannually
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 23.1:

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

- (i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- (ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 24: Non Applicable requirements
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 24.1:

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or

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emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

6 NYCRR Subpart 227-2

Reason: Facility wide NO_x PTE emissions are approximately 49 tons/yr which is less than the NO_x RACT threshold of 100 tons/yr. Therefore, the combustion sources at the landfill are not subject to the NO_x RACT requirements of 6NYCRR Part 227-2.

40 CFR 60.760

Reason: Hyland Landfill is not subject to the requirements of the New Source Performance Standards (NSPS) for Municipal Solid Waste Landfills established in 40 CFR 60 Subpart XXX. The new standard became effective October 28, 2016, and applies to landfills that commenced construction, modification or reconstruction after July 17, 2014. Hyland Landfill's most recently permitted expansion included a 48-acre expansion that commenced construction in 2007. The landfill's permitted design capacity has not increased since 2007 (prior to July 17, 2014). As such, Hyland Landfill is not subject to 40 CFR 60 Subpart XXX.

40 CFR Part 64

Reason:

CAM Applicability:

40 CFR Part 64 "Compliance Assurance Monitoring" (CAM) requirements apply to any pollutant specific emission unit (PSEU) at a major source that is required to obtain a Part 70 permit if the unit meets a three-part test:

(1) The PSEU is subject to an emission limitation or standard for an applicable regulated air pollutant; The PSEU at Hyland Landfill (facility) is the landfill (i.e., the landfill waste decomposition process) is subject to NSPS WWW's NMOC emission standards;

(2) The PSEU uses a control device to achieve compliance with the emission limitation or standard; The control devices used by the facility's PSEU includes a gas treatment system and/or open flare.

(3) The pre-controlled emissions of the specific applicable regulated pollutant exceed the major facility emissions threshold for that pollutant.

The pre-controlled potential to emit of NMOC of the facility's PSEU is 113 tpy, which is greater than the major title V threshold of 100 tpy.

As shown above, the PSEU at this facility meets the CAM three-part test or applicability criteria. However, the PSEU at this facility is exempt from CAM applicability for the following reason:

As stated in 40CFR64.2(b)(1)(i), the requirements of CAM

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shall not apply to emission limits or standards proposed by the Administrator after November 15, 1990 pursuant to section 111 or 112 of the Act. The EPA published a proposal for regulation of new MSW landfills under section 111(b) and for existing MSW landfills under section 111(d) of the CAA in the Federal Register on May 30, 1991 (56 FR 24468). The resulting emission limits for municipal solid waste landfills became effective on March 12, 1996 under 40CFR60 Subpart WWW. The Hyland Landfill is subject to the requirements of Subpart WWW and is therefore, exempt from the CAM requirements of 40 CFR Part 64.

Condition 25: Facility Permissible Emissions
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 25.1:

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

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

CAS No: 000630-08-0

PTE: 490,000 pounds per year

Name: CARBON MONOXIDE

Condition 26: Capping Monitoring Condition
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 26.1:

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

6 NYCRR Subpart 231-7

Item 26.2:

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

Item 26.3:

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 26.4:

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

Item 26.5:

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

Item 26.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 26.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

CARBON MONOXIDE EMISSION LIMIT
490,000 POUNDS PER YEAR

(1) Facility-wide emissions of carbon monoxide (CO) shall not equal or exceed 490,000 pounds per year (lbs/yr) during any consecutive 12-month period. Hyland Landfill has accepted this emission limitation to remain below the PSD major source threshold of 500,000 lbs/yr (=250 tpy).

(2) Facility CO emissions are generated from combustion sources including three (3) Caterpillar G3520 LFG internal combustion engines, an open flare, three (3) emergency diesel generators and miscellaneous heating devices.

(3) The facility shall continuously monitor the kilowatt-hours (kWh) generated by each of the three LFG engines and keep records of the monthly megawatt-hours (MWh).

(4) The facility shall operate and maintain devices that continuously measure the flow of landfill gas to the LFG engines and open flare.

(5) Monthly Carbon Monoxide emissions shall be calculated

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for all combustion sources, as follows:

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

(b) If no data is available for a specific engine, the facility shall use the highest emission factor from the other engines on-site.

(c) Monthly CO emissions from the flare = [(0.37 lbs/MMBtu emission factor provided in the permit application) x (actual LFG combusted in the flare, in MMscf/month, normalized to 50% methane) x (HHV of LFG as 50% methane or 500 Btu/scf)] = lbs CO/month.

(d) Monthly CO emissions from emergency generators and heating units shall be based on AP-42 emission factors, USEPA Tier 3 nonroad diesel engine emission standards, or engine manufacturer certified emissions rates (as applicable) and horsepower/kilowatt rating and/or actual hours of operation.

(6) The combined monthly CO emissions shall be added to the previous 11 months of CO emissions to give a total CO emission rate over the most recent consecutive 12-month period. The CO emissions over any consecutive 12-month period shall not exceed 490,000 pounds.

(7) The 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 the facility, 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.

(8) On an annual basis, 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 sources within the limits imposed by the emission cap.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 245 tons per year

Reference Test Method: emission calculations

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

Subsequent reports are due every 12 calendar month(s).

Condition 27: Visible Emissions Limited

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Effective between the dates of 08/22/2019 and 08/21/2024

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 between the dates of 08/22/2019 and 08/21/2024

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

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ACTIVE LANDFILL GAS COLLECTION SYSTEM
Air Emission Standards; Operational Standards; Compliance Provisions and Reporting

The active landfill gas collection system shall:

(1) Be designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment; [§60.752(b)(2)(ii)(A)(1)]

(a) For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with §60.752(b)(2)(ii)(A)(1), the following equation shall be used. The k and Lo kinetic factors should be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42) or other site specific values demonstrated to be appropriate and approved by the Administrator. A value of no more than 15 years shall be used for the intended use period of the gas mover equipment. The active life of the landfill is the age of the landfill plus the estimated number of years until closure. [§60.755(a)(1)(ii)]

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

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where,

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

k=methane generation rate constant, year⁻¹

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

Mi =mass of solid waste in the ith section, megagrams

ti =age of the ith section, years

i=1 to n

(b) If a collection and control system has been installed, actual flow data may be used to project the maximum expected gas generation flow rate instead of, or in conjunction with, the equation in paragraph (a) above. If the landfill is still accepting waste, the actual measured flow data will not equal the maximum expected gas generation rate, so calculations using the equation in paragraph (a) or other methods shall be used to predict the maximum expected gas generation rate over the intended period of use of the gas control system equipment. [§60.755(a)(1)(iii)]

(2) Collect gas from each area, cell, or group of cells in the landfill. Each well shall be installed no later than 60 days after the date on which the initial solid waste has been in place for a period of:

[§60.752(b)(2)(ii)(A)(2)] and [§60.753(a)]

(a) 5 years or more if active; or

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

For the purposes of determining sufficient density of gas collectors for compliance with §60.752(b)(2)(ii)(A)(2), the owner or operator shall design a system of vertical wells, horizontal collectors, or other collection devices, satisfactory to the Administrator, capable of controlling and extracting gas from all portions of the landfill sufficient to meet all operational and performance standards. [§60.755(a)(2)]

(3) Collect gas at a sufficient extraction rate; [§60.752(b)(2)(ii)(A)(3)]

For the purpose of demonstrating whether the gas collection system flow rate is sufficient to determine compliance with §60.752(b)(2)(ii)(A)(3), the owner or operator shall measure gauge pressure in the gas collection header at each individual well, monthly. If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under §60.753(b). If negative pressure cannot be achieved without excess air

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infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval. [§60.755(a)(3)]

(4) Be designed to minimize off-site migration of subsurface gas. [§60.752(b)(2)(ii)(A)(4)]

(5) Records shall be maintained as required under §60.758.

(6) Each owner or operator of a landfill using an active collection system shall submit to the Administrator semi-annual reports of the following information: [§60.757(f)]

(a) Value and length of time for exceedance of applicable parameters monitored for the gas wells under §60.756(a); [§60.757(f)(1)]

(b) All periods when the collection system was not operating in excess of 5 days; [§60.757(f)(4)]

(c) The date of installation and the location of each well or collection system expansion added pursuant to §60.755(a)(3) and (b). [§60.757(f)(6)]

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 29: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

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

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

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

Item 29.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
 Monitoring Description:

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OPEN FLARE AND/OR
GAS TREATMENT SYSTEM

Air Emissions Standards; Operational Standards; and
Recordkeeping:

(1) Route all the collected gas to an open flare or to a
gas treatment system that complies with the requirements
of 40 CFR 60.752(b)(2)(iii)(A) or (C).

[§60.752(b)(2)(iii)]

(2) Operate the system such that all collected gases are
vented to a control system designed and operated in
compliance with §60.752(b)(2)(iii). In the event the
collection or control system is inoperable, the gas mover
system shall be shut down and all valves in the collection
and control system contributing to venting of the gas to
the atmosphere shall be closed within 1 hour.

[§60.753(e)]

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

[§60.753(f)]

(4) Records shall be maintained as required under
§60.758.

(5) The compliance status of this condition shall be
reported semi-annually in accordance with 6NYCRR Part
201-6.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 30: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 30.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

OPEN FLARE

(1) The open flare shall be designed and operated in accordance with §60.18 except as noted in §60.754(e). [§60.752(b)(2)(iii)(A)]

(2) The flare shall be operated with no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. [40 CFR 60.18(c)(1)]

(3) The flare shall be operated with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f). [40 CFR 60.18(c)(2)]

(4) The flare shall be used only with the net heating value of the gas being combusted of 7.45 MJ/scm (200 Btu/scf) or greater if the flare is non-assisted. The net heating value of the gas being combusted shall be determined by the methods specified in 40 CFR 60.18(f). [40 CFR 60.18(c)(3)(ii)]

(5) Non-assisted flares shall be designed for and operated 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). [40 CFR 60.18(c)(4)(i)]

(a) Non-assisted flares designed for and operated with an exit velocity, equal to or greater than 18.3 m/sec (60 ft/sec) but less than 122 m/sec (400 ft/sec) are allowed if the net heating value of the gas being combusted is greater than 37.3 MJ/scm (1,000 Btu/scf). [40 CFR 60.18(c)(4)(ii)]

(b) Non-assisted flares designed for and operated with an exit velocity, as determined by the methods specified in §60.18(f)(4) less than the velocity, V_{max} , as determined by the method specified in §60.18(f)(5), and less than 122 m/sec (400 ft/sec) are allowed. [40 CFR 60.18(c)(4)(iii)]

(6) Flares used to comply with provisions of 40 CFR Part 60, Subpart A shall be operated at all times when emissions may be vented to them. [40 CFR 60.18(e)]

(7) For the performance test required in §60.752(b)(2)(iii)(A), the net heating value of the combusted landfill gas as determined in §60.18(f)(3) is

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calculated from the concentration of methane in the landfill gas as measured by Method 3C. A minimum of three 30-minute Method 3C samples are determined. The measurement of other organic components, hydrogen, and carbon monoxide is not applicable. Method 3C may be used to determine the landfill gas molecular weight for calculating the flare gas exit velocity under § 60.18(f)(4). [§60.754(e)]

(8) Each owner or operator seeking to comply with §60.752(b)(2)(iii) using an open flare shall install, calibrate, maintain, and operate according to the manufacturer's specifications the following equipment: [§60.756(c)]

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

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

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

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

(9) Records shall be maintained as required under §60.758 and as follows:

(a) Records indicating presence of flare pilot flame. [40 CFR 60.18(f)(2)]

(b) The net heating value of the gas being combusted in the flare that shall be recorded and calculated as provided in 40 CFR 60.18(f)(3).

(c) The actual exit velocity of the flare shall be calculated and recorded by dividing the volumetric flow rate (in units of standard temperature and pressure), as determined by Federal Reference Test Methods 2, 2A, 2C, or 2D as appropriate, by the unobstructed (free) cross sectional area of the flare tip. [40 CFR 60.18(f)(4)]

(d) The maximum permitted velocity, V_{max} , for flares complying with 40 CFR 60.18(c)(4)(iii) shall be calculated and recorded as provided in 40 CFR 60.18(f)(5).

(e) The maximum permitted velocity, V_{max} , for air-assisted flares shall be calculated and recorded as provided in 40 CFR 60.18(f)(6).

(10) Each owner or operator of a landfill using an active

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collection system shall submit to the Administrator semi-annual reports of the following information:

[\$60.757(f)]

(a) Value and length of time for exceedance of applicable parameters monitored under §60.756(c) for the open flare; [\$60.757(f)(1)]

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

[\$60.757(f)(2)]

(c) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating; [\$60.757(f)(3)]

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 31: Compliance Certification

Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

GAS TREATMENT SYSTEM

(1) Route the collected gas to a treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system shall be subject to the requirements of §60.752(b)(2)(iii) (A) or (B).

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

(a) Landfill gas that is collected and used for fuel

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in an engine or used for subsequent sale as a fuel shall be treated in a treatment system that has an absolute filtration rating of 10 microns or less, lowers the water dew point of the landfill gas by at least 20 degrees Fahrenheit with a dewatering process, and compresses the landfill gas.

(b) Hyland Landfill shall operate the gas treatment system in accordance with the monitoring plan that includes: (i) Design specifications for the filtration, de-watering, and compression systems, (ii) minimum pressure drop across the filtration system, or other monitoring parameter(s) and operating ranges, and (iii) minimum landfill gas temperature reduction across a chiller based de-watering system or the minimum landfill gas dew point reduction for a non-chiller-based de-watering system, or other operating parameters.

(3) Monitoring of the gas treatment system shall be performed daily. The blowers, gas cooler, and knock out vessels shall be manually checked for proper operation. Daily monitoring is not required on days when personnel are not required to be at the facility such as holidays or weekends.

(4) Records shall be maintained as required under §60.758.

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

[§60.757(f)]

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

[§60.757(f)(2)]

(b) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating; [§60.757(f)(3)]

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 32: Compliance Certification

Effective between the dates of 08/22/2019 and 08/21/2024

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

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Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

LANDFILL CLOSURE

Air Emission Standards; Test Methods; and Reporting:

(1) The collection and control system may be capped or removed provided that all the conditions of paragraphs (a), (b), and (c) are met: [§60.752(b)(2)(v)]

(a) The landfill shall be a closed landfill as defined in §60.751 of this subpart. A closure report shall be submitted to the Administrator as provided in §60.757(d); [§60.752(b)(2)(v)(A)]

(b) The collection and control system shall have been in operation a minimum of 15 years; and [§60.752(b)(2)(v)(B)]

(c) Following the procedures specified in §60.754(b) and in item (2) below, the calculated NMOC gas produced by the landfill shall be less than 50 megagrams per year on three successive test dates. The test dates shall be no less than 90 days apart, and no more than 180 days apart. [§60.752(b)(2)(v)(C)]

(2) After the installation of a collection and control system, the owner or operator shall calculate the NMOC emission rate for purposes of determining when the system can be removed using the following equation: [§60.754(b)]

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

where,

MNMOC = mass emission rate of NMOC, megagrams per year

QLFG = flow rate of landfill gas, cubic meters per minute

CNMOC = NMOC concentration, parts per million by volume as hexane

(a) The flow rate of landfill gas, QLFG, shall be determined by measuring the total landfill gas flow rate at the common header pipe that leads to the control device

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using a gas flow measuring device calibrated according to the provisions of section 4 of Method 2E of appendix A of this part. [§60.754(b)(1)]

(b) The average NMOC concentration, CNMOC, shall be determined by collecting and analyzing landfill gas sampled from the common header pipe before the gas moving or condensate removal equipment using the procedures in Method 25C or Method 18 of appendix A of this part. If using Method 18 of appendix A of this part, the minimum list of compounds to be tested shall be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42). The sample location on the common header pipe shall be before any condensate removal or other gas refining units. The landfill owner or operator shall divide the NMOC concentration from Method 25C of appendix A of this part by six to convert from CNMOC as carbon to CNMOC as hexane. [§60.754(b)(2)]

(c) The owner or operator may use another method to determine landfill gas flow rate and NMOC concentration if the method has been approved by the Administrator. [§60.754(b)(3)]

(3) When a MSW landfill subject to this subpart is closed, the owner or operator is no longer subject to the requirement to maintain an operating permit under part 70 or 71 of this chapter for the landfill if the landfill is not otherwise subject to the requirements of either part 70 or 71 and if either of the following conditions are met: [§60.752(d)]

(a) The landfill was never subject to the requirement for a control system; or

(b) The owner or operator meets the conditions for control system removal specified in §60.752(b)(2)(v), item (1) above.

(4) Any closed landfill that has no monitored exceedances of the operational standard, so that the methane concentration is less than 500 parts per million above background at the surface of the landfill, in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring. [§60.756(f)]

(5) Each owner or operator of a controlled landfill shall submit a closure report to the Administrator within 30 days of waste acceptance cessation. The Administrator may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of 40 CFR 258.60. If a closure report has been submitted to the Administrator, no

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additional wastes may be placed into the landfill without filing a notification of modification as described under §60.7(a)(4). [§60.757(d)]

(6) Each owner or operator of a controlled landfill shall submit an equipment removal report to the Administrator 30 days prior to removal or cessation of operation of the control equipment. [§60.757(e)]

(a) The equipment removal report shall contain all of the following items: [§60.757(e)(1)]

(i) A copy of the closure report submitted in accordance with item 4 above;

(ii) A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired; and

(iii) Dated copies of three successive NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year.

(b) The Administrator may request such additional information as may be necessary to verify that all of the conditions for removal in §60.752(b)(2)(v) have been met. [§60.757(e)(2)]

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 33: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

NEGATIVE PRESSURE AT WELLHEAD

Operational Standards; Compliance Provisions; Monitoring; and Reporting:

(1) Operate the collection system with negative pressure at each wellhead except under the following conditions: [§60.753(b)]

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(a) A fire or increased well temperature. The owner or operator shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports; [§60.753(b)(1)]

(b) Use of a geomembrane or synthetic cover. The owner or operator shall develop acceptable pressure limits in the design plan; [§60.753(b)(2)]

(c) A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the Administrator. [§60.753(b)(3)]

(2) Measure gauge pressure in the gas collection header at each individual well on a monthly basis. [§60.755(a)(3)] and [§60.756(a)(1)]

(3) If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed above. If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval. [§60.755(a)(3)]

(4) If corrective actions are taken as specified in §60.755, the monitored exceedance is not a violation of the operational requirements. [§60.753(g)]

(5) Records shall be maintained as required under §60.758.

(6) Each owner or operator of a landfill using an active collection system shall submit to the Administrator semi-annual reports of the value and length of time for exceedance of the negative pressure measured under §60.756(a); [§60.757(f)(1)]

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: PRESSURE

Upper Permit Limit: 0 pounds per square inch gauge

Reference Test Method: As per 40 CFR 60, Subpart WWW

Monitoring Frequency: MONTHLY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 1/30/2020.
 Subsequent reports are due every 6 calendar month(s).

Condition 34: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

GAS TEMPERATURE AT WELLHEAD

Operational Standards; Compliance Provisions; Monitoring; and Reporting:

- (1) Install a sampling port and a thermometer, other temperature measuring device, or an access port for temperature measurements at each wellhead; [§60.756(a)]
- (2) Operate each interior wellhead in the collection system with a landfill gas temperature less than 55 °C. The owner or operator may establish a higher operating temperature at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.; [§60.753(c)]
- (3) Monitor temperature at each well on a monthly basis. [§60.755(a)(5)] and [§60.756(a)(3)]
- (4) If a well exceeds this operating parameter, action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval.

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[§60.755(a)(5)]

(5) If corrective actions are taken as specified in §60.755, the monitored exceedance is not a violation of the operational requirements. [§60.753(g)]

(6) Records shall be maintained as required under §60.758.

(7) Each owner or operator of a landfill using an active collection system shall submit to the Administrator semi-annual reports of the value and length of time for exceedance of the temperature measured under §60.756(a); [§60.757(f)(1)]

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 54.9 degrees Centigrade (or Celsius)

Reference Test Method: As per 40 CFR 60, Subpart WWW

Monitoring Frequency: MONTHLY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 35: Compliance Certification

Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

OXYGEN OR NITROGEN CONTENT AT WELLHEAD
Operational Standards; Compliance Provisions; Monitoring;
and Reporting:

(1) Operate each interior wellhead in the collection system with either a nitrogen level less than 20 percent

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or an oxygen level less than 5 percent. The owner or operator may establish a higher operating nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.

[§60.753(c)]

(a) The nitrogen level shall be determined using Method 3C, unless an alternative test method is established. [§60.753(c)(1)]

(b) Unless an alternative test method is established, the oxygen shall be determined by an oxygen meter using Method 3A or 3C except that: [§60.753(c)(2)]

(i) The span shall be set so that the regulatory limit is between 20 and 50 percent of the span;

(ii) A data recorder is not required;

(iii) Only two calibration gases are required, a zero and span, and ambient air may be used as the span;

(iv) A calibration error check is not required;

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

(2) Monitor nitrogen or oxygen concentration at each well on a monthly basis. [§60.755(a)(5)] and [§60.756(a)(3)]

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

[§60.755(a)(5)]

(4) If corrective actions are taken as specified in §60.755, the monitored exceedance is not a violation of the operational requirements. [§60.753(g)]

(5) Records shall be maintained as required under §60.758.

(6) Each owner or operator of a landfill using an active collection system shall submit to the Administrator semi-annual reports of the value and length of time for exceedance of the oxygen or nitrogen content measured under §60.756(a); [§60.757(f)(1)]

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(7) This condition was written to allow monitoring either nitrogen or oxygen. Hyland Landfill chooses to monitor oxygen content as listed in the limits below.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
 Process Material: LANDFILL GAS
 Parameter Monitored: OXYGEN CONTENT
 Upper Permit Limit: 4.9 percent
 Reference Test Method: EPA Method 3
 Monitoring Frequency: MONTHLY
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
 SEE MONITORING DESCRIPTION
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2020.
 Subsequent reports are due every 6 calendar month(s).

Condition 36: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING
 Monitoring Description:

SURFACE SCANS
 Operational Standards; and Reporting:

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

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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. [§60.753(d)]

(3) Each owner or operator of a landfill using an active collection system shall submit to the Administrator semi-annual reports of the location of each exceedance of the 500 parts per million methane concentration and the concentration recorded at each location for which an exceedance was recorded in the previous month; [§60.757(f)(5)]

Parameter Monitored: METHANE
 Upper Permit Limit: 499 parts per million (by volume)
 Reference Test Method: Method 21
 Monitoring Frequency: QUARTERLY
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2020.
 Subsequent reports are due every 6 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

MONTHLY COVER PROCEDURES
 Compliance Provisions; Recordkeeping; and
 Reporting:

The following procedure shall be used for compliance with the surface methane operational standard:

(1) The owner or operator shall implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis. [§60.755(c)(5)]

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(2) The inspection and repairs shall be completed on interim and final covers and may include, but is not limited to, repairing erosion channels, seeding or repair of any other barrier layer.

(3) Maintain records of the monthly monitoring and repairs.

(4) The compliance status of this condition shall be reported semi-annually in accordance with 6NYCRR Part 201-6.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 38: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 38.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000074-82-8 METHANE

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

SURFACE SCAN PROCEDURES

Compliance Provisions; Monitoring; and Reporting:

The following procedures shall be used for compliance with the surface methane operational standard as provided in §60.753(d): [§60.755(c)]

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

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(2) The background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells. [§60.755(c)(2)]

(3) Surface emission monitoring shall be performed in accordance with section 8.3.1 of Method 21 of appendix A of this part, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions. [§60.755(c)(3)]

(4) Any reading of 500 parts per million or more above background at any location shall be recorded as a monitored exceedance and the following actions specified in paragraphs (i) through (v) shall be taken. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements. [§60.755(c)(4)]

(i) The location of each monitored exceedance shall be marked and the location recorded.

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

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

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

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

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corresponding timeline for installation may be submitted to the Administrator for approval.

(5) Submit to the Administrator semi-annual reports of the location of each exceedance of the 500 parts per million methane concentration and the concentration recorded at each location for which an exceedance was recorded in the previous month. [§60.757(f)(5)]

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 39: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

SURFACE SCAN
 INSTRUMENTATION SPECIFICATIONS
 Compliance Provisions; and Reporting

The following instrumentation specifications and procedures for surface emission monitoring devices shall be followed: [§60.755(d)]

(1) The portable analyzer shall meet the instrument specifications provided in section 6 of Method 21 of 40 CFR Part 60 Appendix A, except that "methane" shall replace all references to VOC. [§60.755(d)(1)]

(2) The calibration gas shall be methane, diluted to a nominal concentration of 500 parts per million in air. [§60.755(d)(2)]

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

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procedures of section 8.1 of Method 21 shall be used.
[§60.755(d)(3)]

(4) The calibration procedures provided in section 10 of Method 21 of 40 CFR Part 60 Appendix A of this part shall be followed immediately before commencing a surface monitoring survey. [§60.755(d)(4)]

(5) Maintain records of the quarterly monitoring and instrumentation specifications and procedures.

(6) The compliance status of this condition shall be reported semi-annually in accordance with 6NYCRR Part 201-6.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 40: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

OPEN FLARE AND GAS TREATMENT SYSTEM
START-UP, SHUTDOWN, OR MALFUNCTION

(1) The provisions of Subpart WWW—Standards of Performance for Municipal Solid Waste Landfills apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 1 hour for control devices. [§60.755(e)]

(2) Records of periods of startup, shutdown or malfunction of the open flare and gas treatment system in excess of 1 hour shall be maintained.

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(3) Each owner or operator of a landfill using an active collection system shall submit to the Administrator semi-annual reports of the description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating. [§60.757(f)(3)]

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 41: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 41.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

GAS COLLECTION SYSTEM
 START-UP, SHUTDOWN, OR MALFUNCTION

(1) The provisions of Subpart WWW—Standards of Performance for Municipal Solid Waste Landfills apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems. [§60.755(e)]

(2) Records of periods of startup, shutdown or malfunction of the gas collection system in excess of 5 days shall be maintained.

(3) Each owner or operator of a landfill using an active collection system shall submit to the Administrator semi-annual reports of all periods when the collection system was not operating in excess of 5 days. [§60.757(f)(4)]

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 42: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement: 40CFR 60.758, NSPS Subpart WWW

Item 42.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§60.758 RECORDKEEPING REQUIREMENTS

(1) Except as provided in §60.752(b)(2)(i)(B), each owner or operator of an MSW landfill subject to the provisions of §60.752(b) shall keep for at least 5 years up-to-date, readily accessible, on-site records of the design capacity report which triggered §60.752(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable. [§60.758(a)]

(2) Except as provided in §60.752(b)(2)(i)(B), each owner or operator of a controlled landfill shall keep up-to-date, readily accessible records for the life of the control equipment of the data listed in paragraphs (b)(1) through (b)(4) of this section as measured during the initial performance test or compliance determination. Records of subsequent tests or monitoring shall be maintained for a minimum of 5 years. Records of the control device vendor specifications shall be maintained until removal. [§60.758(b)]

(a) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with §60.752(b)(2)(ii): [§60.758(b)(1)]

(i) The maximum expected gas generation flow rate as calculated in §60.755(a)(1). The owner or operator may use another method to determine the maximum gas generation

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flow rate, if the method has been approved by the Administrator.

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

(b) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with §60.752(b)(2)(iii)(A) through use of an open flare, the flare type (i.e., steam-assisted, air-assisted, or nonassisted), 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 §60.18; continuous records of the flare pilot flame or flare flame monitoring and records of all periods of operations during which the pilot flame of the flare flame is absent.

[§60.758(b)(3)]

(3) Except as provided in §60.752(b)(2)(i)(B), each owner or operator of a controlled landfill subject to the provisions of this subpart shall keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in §60.756 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. [§60.758(c)]

(a) Each owner or operator subject to the provisions of this subpart shall keep up-to-date, readily accessible continuous records of the indication of flow to the control device or 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 §60.756. [§60.758(c)(2)]

(b) Each owner or operator seeking to comply with the provisions of this subpart by use of an open flare shall keep up-to-date, readily accessible continuous records of the flame or flare pilot flame monitoring specified under §60.756(c), and up-to-date, readily accessible records of all periods of operation in which the flame or flare pilot flame is absent. [§60.758(c)(4)]

(4) Except as provided in §60.752(b)(2)(i)(B), each owner or operator subject to the provisions of this subpart shall keep for the life of the collection system an up-to-date, readily accessible plot map showing each existing and planned collector in the system and providing a unique identification location label for each collector. [§60.758(d)]

(a) Each owner or operator subject to the provisions of this subpart shall keep up-to-date, readily accessible

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records of the installation date and location of all newly installed collectors as specified under §60.755(b).

(b) Each owner or operator subject to the provisions of this subpart shall keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as provided in §60.759(a)(3)(i) as well as any nonproductive areas excluded from collection as provided in §60.759(a)(3)(ii).

(5) Except as provided in §60.752(b)(2)(i)(B), each owner or operator subject to the provisions of this subpart shall keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in §60.753, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance. [§60.758(e)]

(6) The compliance status of this condition shall be reported semi-annually in accordance with 6NYCRR Part 201-6.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2020.
 Subsequent reports are due every 6 calendar month(s).

Condition 43: Specifications for active collection systems
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 43.1:

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

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

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

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

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

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

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

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

where,

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

k = methane generation rate constant, year⁻¹

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

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

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

CNMOC = concentration of nonmethane organic compounds, parts per million

by volume

3.6×10^{-9} = conversion factor

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

Condition 44: Specifications for active collection systems
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 44.1:

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

1) The landfill gas extraction components shall be constructed of polyvinyl chloride (PVC), high density polyethylene (HDPE) pipe, fiberglass, stainless steel, or other nonporous corrosion resistant material of suitable dimensions to: convey projected amounts of

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

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

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

Condition 45: Specifications for active collection systems
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 45.1:

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

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

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

Condition 46: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement: 40CFR 61, NESHAP Subpart M

Item 46.1:

The Compliance Certification activity will be performed for the Facility.

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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ASBESTOS-CONTAINING WASTE MATERIALS STANDARD
FOR ACTIVE WASTE DISPOSAL SITES
40 CFR 61.154, NESHAP Subpart M

OPERATIONAL RESTRICTIONS

(1) If the owner or operator accepts asbestos-containing waste materials from a source covered under §61.149, §61.150, or §61.155, the owner or operator shall meet the following requirements of 40 CFR Part 61.154. [40 CFR 61.154]

(a) Either there must be no visible emissions to the outside air from any active waste disposal site where asbestos-containing waste material has been deposited, or the requirements of 40 CFR 61.154(c) or (d) must be met. [40 CFR 61.154(a)]

(b) Unless a natural barrier adequately deters access by the general public, either warning signs and fencing must be installed and maintained as follows, or the requirements of 40 CFR 61.154(c)(1) must be met. [40 CFR 61.154(b)]

(i) Warning signs must be displayed at all entrances and at intervals of 100 m (330 ft) or less along the property line of the site or along the perimeter of the sections of the site where asbestos-containing waste material is deposited. [40 CFR 61.154(b)(1)] The warning signs must:

(A) Be posted in such a manner and location that a person can easily read the legend. [40 CFR 61.154(b)(1)(i)]

(B) Conform to the requirements of 51 cm by 36cm (20 inches by 14 inches) upright format signs specified in 29 CFR 1910.145(d)(4) and 40 CFR 61.154(b)(1). [40 CFR 61.154(b)(1)(ii)]

(C) The owner or operator shall display the legend in the lower panel with letter sizes and styles of a visibility at least equal to those specified in 40 CFR 61.154(b)(1). Spacing between any two lines must be at least equal to the height of the upper of the two lines. [40 CFR 61.154(b)(1)(iii)]

(ii) The perimeter of the disposal site must be fenced in a manner adequate to deter access by the general public. [40 CFR 61.154(b)(2)]

(iii) Upon request and supply of appropriate information, the appropriate NYSDEC office will determine whether a fence or a natural barrier adequately deters access by the general public. [40 CFR 61.154(b)(3)]

(c) Rather than meet the no visible emission requirement of 40 CFR 61.154(a), at the end of each operating day, or at least once every 24-hour period while the site is in continuous operation, the asbestos-containing waste material that has been deposited

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at the site during the operating day or previous 24-hour period shall [40 CFR 61.154(c)]

(i) Be covered with at least 15 centimeters (6 inches) of compacted non-asbestos-containing material. [40 CFR 61.154(c)(1)] or

(ii) Be covered with a resinous or petroleum-based dust suppression agent that effectively binds dust and controls wind erosion. Such an agent shall be used in the manner and frequency recommended for the particular dust by the dust suppression agent manufacturer to achieve and maintain dust control. Other equally effective dust suppression agents may be used upon prior approval by the appropriate NYSDEC office. For purposes of 40 CFR 61.154(c)(2), any used, spent, or other waste oil is not considered a dust suppression agent. [40 CFR 61.154(c)(2)]

(d) Rather than meet the no visible emission requirement of 40 CFR 61.154(a), use an alternative emissions control method that has received prior written approval by the appropriate NYSDEC office according to the procedures described in 40 CFR 61.149(c)(2). [40 CFR 61.154(d)]

MONITORING/RECORDKEEPING

(1) For all asbestos-containing waste material received, the owner or operator of the active waste disposal site shall:

(a) Maintain waste shipment records that include the following information: [40 CFR 61.154(e)(1)]

(i) The name, address, and telephone number of the waste generator. [40 CFR 61.154(e)(1)(i)]

(ii) The name, address, and telephone number of the transporter(s). [40 CFR 61.154(e)(1)(ii)]

(iii) The quantity of the asbestos-containing waste material in cubic meters (cubic yards) [40 CFR 61.154(e)(1)(iii)]

(iv) The presence of improperly enclosed or uncovered waste, or any asbestos-containing waste material not sealed in leak-tight containers. Report in writing to the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different, the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the disposal site, by the following working day, the presence of a significant amount of improperly enclosed or uncovered waste. Submit a copy of the waste shipment record along with the report. [40 CFR 61.154(e)(1)(iv)]

(v) The date of the receipt. (40 CFR 61.154(e)(1)(v))

(b) As soon as possible and no longer than 30 days after receipt of the waste, send a copy of the signed

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waste shipment record to the waste generator. [40 CFR 61.154(e)(2)]

(c) Upon discovering a discrepancy between the quantity of waste designated on the waste shipment records and the quantity actually received, attempt to reconcile the discrepancy with the waste generator. If the discrepancy is not resolved within 15 days after receiving the waste, immediately report in writing to the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record) [40 CFR 61.154(e)(3)]

(2) The owner or operator shall maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area storage. [40 CFR 61.154(f)]

(3) The owner or operator shall keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as provided in §60.759(a)(3)(i) as well as any nonproductive areas excluded from collection as provided in §60.759(a)(3)(ii). [40 CFR 60.758(d)(2)]

REPORTING

(1) The owner or operator shall submit to the appropriate NYSDEC office, upon closure of the facility, a copy of records of asbestos waste disposal locations and quantities. [40 CFR 61.154(h)]

(2) The owner or operator shall furnish upon request, and make available during normal business hours for inspection by the NYSDEC, all records required by 40 CFR Part 61. [40 CFR 61.154(i)]

(3) Notify the appropriate NYSDEC Office in writing at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at a waste disposal site and is covered. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided to the appropriate NYSDEC Office at least 10 working days before excavation begins and in no event, shall excavation begin earlier than the date specified in the original notification. [40 CFR 61.154(j)]

Include the following information in the notice:

(a) Scheduled starting and completion dates. [40 CFR 61.154(j)(1)]

(b) Reason for disturbing the waste. [40 CFR 61.154(j)(2)]

(c) Procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material. If

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deemed necessary, the NYSDEC may require changes in the emission control procedures to be used. [40 CFR 61.154(j)(3)]

(d) Location of any temporary storage site and the final disposal site. [40 CFR 61.154(j)(4)]

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 47: Asbestos-containing waste material standard for active waste disposal sites
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:40CFR 61.154, NESHAP Subpart M

Item 47.1:

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 48: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:40CFR 63.1935, Subpart AAAA

Item 48.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

STARTUP, SHUTDOWN, MALFUNCTION
 NESHAP SUBPART AAAA REQUIREMENTS

(1) Comply with the requirements of 40 CFR part 60, subpart WWW. Specifically, the duration of start-up, shutdown, or malfunction for the open flare shall not exceed 1 hour. [§63.1955(a)(1)]

(2) Compliance of 40 CFR Part 63 Subpart AAAA is determined in the same way it is determined for 40 CFR Part 60, Subpart WWW, including performance testing, monitoring of the collection system, continuous parameter monitoring, and other credible evidence. In addition, continuous parameter monitoring data collected in

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§60.756(c)(1) are used to demonstrate compliance with the operating conditions for the open flare. The owner or operator shall have developed and implemented a written Start up, shutdown, and malfunction plan (SSM) for the OPEN FLARE. A copy of the SSM plan must be maintained on site. Failure to write or maintain a copy of the SSM plan is a deviation from the requirements of this subpart. [§63.1960]

(3) All affected sources must submit compliance reports to the NYSDEC every 6 months, including information on all deviations that occurred during the 6-month reporting period. Deviations for continuous emission monitors or numerical continuous parameter monitors must be determined using a 3 hour monitoring block average. [§63.1955(c)]

(4) The compliance report shall be delivered or postmarked by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. [40 CFR 63.10(a)(5), 40 CFR 63.10(d)(5)].

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

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

Condition 49: Emission Point Definition By Emission Unit
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 49.1:

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

Emission Unit: 1-LFGTE

Emission Point: ENG01

Height (ft.): 28 Diameter (in.): 20
 NYTMN (km.): 4685.708 NYTME (km.): 251.587 Building: ENGBLDG

Emission Point: ENG02

Height (ft.): 28 Diameter (in.): 20
 NYTMN (km.): 4685.704 NYTME (km.): 251.586 Building: ENGBLDG

Emission Point: ENG03

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Height (ft.): 28 Diameter (in.): 20
 NYTMN (km.): 4685.699 NYTME (km.): 251.586 Building: ENGBLDG

Item 49.2:

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

Emission Unit: 1-LNDFL

Emission Point: STK-2

Height (ft.): 35 Diameter (in.): 12
 NYTMN (km.): 4685.809 NYTME (km.): 251.895

Condition 50: Process Definition By Emission Unit
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 50.1:

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

Emission Unit: 1-EXMPT

Process: EMG

Source Classification Code: 2-02-001-07

Process Description:

Process EMG includes three (3) emergency generators including a diesel powered Caterpillar Model D100-6, 156.9 HP located at the LFGTE Plant, manufactured in 2007 and subject to 40 CFR 60 Subpart IIII; a diesel powered Perkins Model 1004-4T, 111 HP located at Cell #2 Pump House, manufactured in 2002 and subject to 40 CFR 63 Subpart ZZZZ; and, a propane powered Generac Power Systems, Inc. Model 04675, 20 HP located at the Scale House, manufactured in 2005 and subject to 40 CFR 63 Subpart ZZZZ.

Each engine is equipped with an hour meter. The actual hours of operation are used in calculating the monthly carbon monoxide emissions for the facility-wide emissions cap.

Each emergency generator must satisfy the definition of an Emergency power generating stationary internal combustion engine, as specified in 6 NYCRR Part 200.1(cq), to remain classified as an emergency generator.

[6 NYCRR Part 200.1(cq)]: A stationary internal combustion engine that operates as a mechanical or electrical power source only when the usual supply of power is unavailable, and operates for no more than 500 hours per year. The 500 hours of annual operation for the engine include operation during emergency situations, routine maintenance, and routine exercising (for example, test firing the engine for one hour a week to ensure reliability). A stationary

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internal combustion engine used for peak shaving
generation is not an emergency power generating stationary
internal combustion engine.

Emission Source/Control: 01EMG - Combustion
Design Capacity: 156.9 horsepower (mechanical)

Emission Source/Control: 02EMG - Combustion
Design Capacity: 111 horsepower (mechanical)

Emission Source/Control: 03EMG - Combustion
Design Capacity: 20 horsepower (mechanical)

Item 50.2:

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

Emission Unit: 1-EXMPT
Process: VOC Source Classification Code: 4-01-002-95
Process Description:

Process VOC includes two (2) degreasing units that are subject to 6NYCRR Part 226. There is a Safety-Kleen Model 30, 30-gallon drum mount cold degreaser unit at the maintenance shop and a Crystal Clean Model 1602, 30-gallon drum mount cold degreaser unit at the LFGTE Plant. The degreasers use Petroleum distillates - CAS #64742-47-8. The degreasers do not use halogenated hazardous air pollutants and are not subject to 40 CFR 63 Subpart T.

Emission Source/Control: 01DEG - Process
Design Capacity: 30 gallons

Emission Source/Control: 02DEG - Process
Design Capacity: 30 gallons

Item 50.3:

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

Emission Unit: 1-LFGTE
Process: ENG Source Classification Code: 2-01-008-02
Process Description:

Process ENG consists of three (3) Caterpillar G3520 landfill gas internal combustion engine generator sets. Each engine may consume up to 550 cubic feet per minute of landfill gas.

Emission Source/Control: 01ENG - Combustion
Design Capacity: 1,600 kilowatts

Emission Source/Control: 02ENG - Combustion
Design Capacity: 1,600 kilowatts

Emission Source/Control: 03ENG - Combustion

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Design Capacity: 1,600 kilowatts

Item 50.4:

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

Emission Unit: 1-LFGTE

Process: GTS

Source Classification Code: 5-01-004-06

Process Description:

Process GTS includes the landfill gas treatment system. Landfill gas that is collected and used for fuel in the landfill gas Caterpillar G3520 engines is treated by a system that has an absolute filtration rating of 10 microns or less, lowers the water dew point of the landfill gas by at least 20 degrees Fahrenheit with a dewatering process, and compresses the landfill gas. The LFG treatment system is operated at all times when gas is routed to the engines for use.

Emission Source/Control: LFGTS - Control

Control Type: PACKED GAS ABSORPTION SYSTEM, GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 01LFG - Process

Design Capacity: 2,206 cubic feet per minute

Item 50.5:

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

Emission Unit: 1-LNDFL

Process: FLR

Source Classification Code: 5-02-006-01

Process Description:

Process FLR includes the collected landfill gas from the collection system and the operation of the 3,000 cfm open flare. The flare serves as backup to the LFGTE Plant.

Emission Source/Control: FLR02 - Control

Control Type: FLARING

Emission Source/Control: MSWLF - Process

Item 50.6:

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

Emission Unit: 1-LNDFL

Process: FUG

Source Classification Code: 5-02-006-02

Process Description:

Process FUG includes fugitive landfill gas emissions not collected by the active gas collection system.

Emission Source/Control: MSWLF - Process

Condition 51: Compliance Certification

Permit ID: 9-0232-00003/00012

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Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-EXMPT
Process: EMG

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

SULFUR-IN-FUEL LIMIT

Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period.

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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2020.
Subsequent reports are due every 6 calendar month(s).

Condition 52: Compliance Certification

Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 52.1:

The Compliance Certification activity will be performed for:

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Facility DEC ID: 9023200003

Emission Unit: 1-EXMPT
Process: EMG

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

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No owner or operator of a combustion installation shall operate the installation in such a way to emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test Method 9 in Appendix A of 40 CFR 60.

Monitoring Frequency: UPON REQUEST OF REGULATORY AGENCY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 53: Compliance Certification

Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-EXMPT
Process: EMG

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

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EMERGENCY GENERATORS AT MAJOR SOURCE
40 CFR 63 SUBPART ZZZZ REQUIREMENTS

(1) The following sources are exempt from permitting but are subject to 40 CFR Part 63, Subpart ZZZZ as summarized below:

- Emergency Generator at the Cell #2 Pump House
 - Perkins Model 1004-4T, manufactured in 2002
 - Diesel powered
 - 83 kW
 - 111 HP

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Emergency Generator at the Scale House

- Generac Model 04675, manufactured 7/28/05
- Propane powered
- 15 kW
- 20 HP

(2) Operate and maintain each engine per manufacturer’s instructions or owner-developed maintenance plan; [§ 63.6625(e)]

(3) Change oil and filter every 500 hours or annually, whichever comes first; [§ 63.6602, Table 2c]. May use oil analysis program specified in § 63.6625(j) instead of prescribed oil change frequency;

(4) Inspect hoses and belts every 500 hours or annually, whichever comes first, and replace as necessary [§ 63.6602, Table 2c].

(5) Inspect air cleaner on the diesel engine and spark plugs on the natural gas engine every 1,000 hours or annually, whichever comes first, and replace as necessary [§ 63.6602, Table 2c].

(6) Install hour meter on each engine [§ 63.6625(f)] and record hours of operation, [§ 63.6655(f)].

(7) Keep records of maintenance [§ 63.6655(e)].

(8) 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; [§63.6625(h)]

(9) Notifications not required [§ 63.6645(a)(5)].

(10) Unlimited use for emergencies (e.g., power outage, fire, flood). May operate for 100 hr/yr for maintenance and readiness testing [§ 63.6640(f)].

(11) Records must be maintained for five years and provided upon request.

(12) There are no reporting requirements for these sources.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 54: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

Permit ID: 9-0232-00003/00012

Facility DEC ID: 9023200003

Applicable Federal Requirement: 40CFR 60, NSPS Subpart IIII

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-EXMPT

Process: EMG

Emission Source: 01EMG

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

CAS No: 0NY998-00-0 VOC

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

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EMERGENCY GENERATORS BUILT AFTER JULY 11, 2005
40 CFR 60 SUBPART IIII REQUIREMENTS

(1) The following source is exempt from permitting but is subject to 40 CFR Part 60, Subpart IIII:

Emergency Generator at the LFGTE Plant

- Caterpillar Model D100-6, manufactured in 2007
- Diesel powered
- 100 kW
- 156.9 HP

(2) Engine must comply with emission standard in 40 CFR 60.4202(a)(2) which states: Manufacturers must certify the engine meets the emission standards of 40CFR 89.112 and 40 CFR 89.113 for all pollutants. Maintain manufacturer certification. [§ 60.4205]

(3) Operate and maintain stationary CI ICE in compliance with the emission standards over the entire life of the engine. [§ 60.4206]

(4) Only Ultra Low Sulfur Diesel (ULSD) 15 ppm may be used. (40 CFR 80.510(b)) [§ 60.4207]

(5) You must install non-resettable hour meter prior to startup [§ 60.4209]

(6) You must comply by purchasing an engine certified to the emission standards in § 60.4205(b). The engine must be installed and configured according to the manufacturer's emission-related specifications. You must maintain records documenting the engine is operated and maintained in

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accordance with the manufacturer specifications. [§ 60.4211(c)]

(7) You must operate the emergency stationary ICE as summarized below: [§ 60.4211(f)]

- (a) There are no limits on hours of operation for emergency service;
- (b) Maintenance checks and readiness testing is limited to 100 hours per year;
- (c) Operate the emergency engine up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing;

(8) No initial notification required. Must maintain records of operation of engine in emergency and non-emergency service (e.g., maintenance) as recorded with the non-resettable hour meter [§ 60.4214]

(9) There are no reporting requirements.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 55: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement: 6 NYCRR Part 226

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-EXMPT
 Process: VOC

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

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following equipment is exempt from permitting and is subject to the 6 NYCRR Part 226 requirements (A) through (C) listed below:

1. Degreaser in the Maintenance Shop
 - a. Safety-Kleen Model 30
 - b. 30-gallon drum mount degreaser unit
 - c. Safety-Kleen premium solvent

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2. Degreaser at the LFGTE Plant
 - a. Crystal Clean Model 1602
 - b. 30-gallon drum mount degreaser unit
 - c. Crystal Clean 142 mineral spirits

A. Equipment Specifications

The following types of control equipment must be used when conducting cold cleaning degreasing, solvent metal cleaning:

- (1) A cover which can be operated easily.
- (2) An internal drainage facility (under cover), if practical.
- (3) A control system that limits VOC emissions to those achievable with equipment having a freeboard ratio greater than or equal to 0.5, or a water cover when the solvent is insoluble in and heavier than water. This does not apply to remote reservoir degreasers.
- (4) Solvent with a vapor pressure of 1.0 mm Hg, or less, at 20 °C.

B. Operating Requirements:

When cold cleaning, the clean parts must be drained at least 15 seconds or until dripping ceases.

C. General Requirements:

A Person conducting solvent metal cleaning must:

- (1) Store solvent in covered containers and transfer or dispose of waste solvent in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere.
- (2) Maintain equipment to minimize leaks and fugitive emissions.
- (3) Display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs.
- (4) Keep the degreaser cover closed except when:
 - (a) parts are being placed into or being removed from the degreaser;
 - (b) adding or removing solvent from the degreaser;
 - (c) no solvent is in the degreaser; or
 - (d) when manually cleaning metal parts in the cold cleaning degreaser.
- (5) Create and retain a record of solvent consumption for five years. This record must be made available to the Department upon request.
- (6) Not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser.

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(7) If using a cold cleaning degreaser that is subject to paragraph 226.3(a)(4), retain a record of the following three items for five years and provide these records to the Department upon request. An invoice, a bill of sale, a certificate covering multiple sales, a Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this requirement.

- (a) the name and address of the solvent supplier;
- (b) the type of solvent including the product or vendor identification number; and
- (c) the vapor pressure of the solvent measured in mm Hg at 20 °C (68 °F).

(8) Include in the semiannual monitoring report and annual compliance certifications (required of all permittees subject to Title V) the solvent consumption required under (5) above, as well as a statement that the permittee's obligations under items (1) through (7) above have been met for the period of the report or certification.. This statement must be based on the permittees observations on a daily basis that the operation of the solvent metal cleaning process has met the above criteria. The permittee must maintain a log of instances when the above have not been met, and such statement must summarize these instances.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 56: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGTE

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (1) Nitrogen oxides (NO_x) and carbon monoxide (CO) stack emissions from each internal combustion engine shall be analyzed on a monthly basis using a portable combustion analyzer.
- (2) The analyzer shall be calibrated in accordance with the manufactures recommended procedures and schedule. A

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report for each calibration shall be made available for Department review upon request.

(3) The permitted emission rates of 0.6 g/bhp-hr NO_x and 3.0 g/bhp-hr CO shall be converted from g/bhp-hr to ppm following Equation 1 and 2 in 40CFR60.4244. The equations shall be based on the stack gas volumetric flow rate and brake work of the engine obtained during the most recent performance test or other acceptable method. The approximate concentration values are ~90 ppm NO_x and ~740 ppm CO.

(4) Records shall be maintained to include: (1) date and time of the portable analyzer measurement, (2) a log of the NO_x and CO measurements in ppm, (3) comparison of the NO_x and CO portable analyzer measurements to the permitted emission rates that have been converted to ppm, and (4) 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) If an exceedance of the calculated ppm value is documented during the periodic monitoring, the facility shall evaluate the engine performance and proper operation of the analyzer. The results shall be reported to the Department within 30 calendar days along with a proposed program for correction, and a schedule for compliance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 57: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGTE

Regulated Contaminant(s):

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

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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Monitoring Description:

For previous ASF permit Ren 0, Mod 2 (issued in 2007, expired in 2009) the design emission rates of the three (3) internal combustion (IC) engines for nitrogen oxides (NO_x) and carbon monoxide (CO) are 0.6 grams per brake horsepower-hour (g/bhp-hr) and 3.0 g/bhp-hr, respectively. These emission rates were conservatively adjusted upward by 20% from the manufacture published emission rates to account for potential reduction of long-term engine efficiencies and the uncertainties and errors in measurement methods. The design emission rates were used to assess compliance and applicability to New Source Review (6 NYCRR Part 231-2), Prevention of Significant Deterioration (40 CFR 52.21) and Reasonable Available Control Technology for Oxides of Nitrogen (6 NYCRR Part 227-2). The Department requires routine performance testing and periodic monitoring of the IC engines to confirm the engines consistently operate within the design criteria.

ROUTINE PERFORMANCE TESTING

- (1) A performance test to demonstrate compliance with the permitted emission rates of 0.6 g/bhp-hr NO_x must be completed as specified below.
- (2) The performance test shall be conducted on each IC engine at the facility. The test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load.
- (3) The methods used to measure NO_x shall include EPA Methods 7 or 7E from 40 CFR Part 60, Appendix A or another reference method approved by the Department.
- (4) A performance test protocol shall be submitted to the Department for approval at least 60-days prior to completion of the test. The Department must be notified 10-days prior to the scheduled test date so a Department representative may be present during the test.
- (5) A performance test shall be completed, at a minimum, by where each of the three (3) IC engines shall be tested at least once during the five-year permit term. The IC engines may be tested at the same time together or at different times independent of each other.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.6 grams per brake horsepower-hour

Reference Test Method: EPA Method 7 or 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 58: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGTE

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For previous ASF permit Ren 0, Mod 2 (issued in 2007, expired in 2009) the design emission rates of the three (3) internal combustion (IC) engines for nitrogen oxides (NOx) and carbon monoxide (CO) are 0.6 grams per brake horsepower-hour (g/bhp-hr) and 3.0 g/bhp-hr, respectively. These emission rates were conservatively adjusted upward by 20% from the manufacture published emission rates to account for potential reduction of long-term engine efficiencies and the uncertainties and errors in measurement methods. The design emission rates were used to assess compliance and applicability to New Source Review (6 NYCRR Part 231-2), Prevention of Significant Deterioration (40 CFR 52.21) and Reasonable Available Control Technology for Oxides of Nitrogen (6 NYCRR Part 227-2). The Department requires routine performance testing and periodic monitoring of the IC engines to confirm the engines consistently operate within the design criteria.

ROUTINE PERFORMANCE TESTING

(1) A performance test to demonstrate compliance with the permitted emission rates of 3.0 g/bhp-hr CO must be completed as specified below.

(2) The performance test shall be conducted on each IC engine at the facility. The test must be conducted within

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10 percent of 100 percent peak (or the highest achievable) load.

(3) The methods used to measure CO shall include EPA Method 10 from 40 CFR Part 60, Appendix A or another reference method approved by the Department.

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

(5) A performance test shall be completed, at a minimum, by where each of the three (3) IC engines shall be tested at least once during the five-year permit term. The IC engines may be tested at the same time together or at different times independent of each other.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 3.0 grams per brake horsepower-hour

Reference Test Method: EPA Method 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 59: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

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

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGTE

Item 59.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

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The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

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

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

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

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: WEEKLY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2020.
Subsequent reports are due every 6 calendar month(s).

Condition 60: Compliance Certification
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable Federal Requirement: 40CFR 63, Subpart ZZZZ

Item 60.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGTE

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Process: ENG

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

LFG ENGINES >500 HP AT MAJOR SOURCE
40 CFR 63 SUBPART ZZZZ REQUIREMENTS

(1) Hyland Landfill is a major source of HAP emissions. The three (3) landfill gas (LFG) stationary reciprocating internal combustion engines (RICE) were constructed after December 19, 2002; thus, making the three RICE categorized as “New” sources in accordance with 40 CFR 63 Subpart ZZZZ.

(2) A new or reconstructed stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis must meet the initial notification requirements of §63.6645(f) and the requirements of §63.6625(c), 63.6650(g), and 63.6655(c). These stationary RICE do not have to meet the emission limitations and operating limitations of this subpart. [§63.6590(b)(2)]

(3) If you are operating a new or reconstructed stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, you must monitor and record your fuel usage daily with separate fuel meters to measure the volumetric flow rate of each fuel. In addition, you must operate your stationary RICE in a manner which reasonably minimizes HAP emissions. [§63.6625(c)]

(4) If you are required to submit an Initial Notification but are otherwise not affected by the requirements of this subpart, in accordance with §63.6590(b), your notification should include the information in §63.9(b)(2)(i) through (v), and a statement that your stationary RICE has no additional requirements and explain the basis of the exclusion (for example, that it operates exclusively as an emergency stationary RICE if it has a site rating of more than 500 brake HP located at a major source of HAP emissions). [§63.6645(f)]

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(5) If you are operating as a new or reconstructed stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, you must submit an annual report to the USEPA Region 2 and NYSDEC Region 9 covering the annual reporting period from January 1 through December 31. You must report the data specified below: [§63.6650(g)]

(a) Fuel flow rate of each fuel and the heating values that were used in your calculations. You must also demonstrate that the percentage of heat input provided by landfill gas or digester gas is equivalent to 10 percent or more of the total fuel consumption on an annual basis.

(b) The operating limits provided in your federally enforceable permit, and any deviations from these limits.

(c) Any problems or errors suspected with the meters.

(6) If you are operating a new or reconstructed stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, you must keep the records of your daily fuel usage monitors. [§63.6655(c)]

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

Subsequent reports are due every 12 calendar month(s).

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STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

Item B: 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

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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 61: Contaminant List

Effective between the dates of 08/22/2019 and 08/21/2024

Applicable State Requirement: ECL 19-0301

Item 61.1:

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: 0NY075-00-5

Name: PM-10

CAS No: 0NY100-00-0

Name: TOTAL HAP

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0

Name: VOC

CAS No: 0NY998-20-0

Name: NMOC - LANDFILL USE ONLY

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Condition 62: Malfunctions and start-up/shutdown activities
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable State Requirement:6 NYCRR 201-1.4

Item 62.1:

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

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

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

(d) The department may also require the owner (d) 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 63: Air pollution prohibited
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable State Requirement:6 NYCRR 211.1

Item 63.1:

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

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property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 64: Compliance Demonstration
Effective between the dates of 08/22/2019 and 08/21/2024

Applicable State Requirement: 6 NYCRR 211.1

Item 64.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 64.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (1) To address potential concerns related to fine particulate matter, Hyland Landfill shall implement a dust control plan as specified in the Facility Operation and Maintenance Manual, dated March 1, 2006, submitted as part of the Solid Waste permit application.
- (2) Dust control procedures include proper maintenance of vegetated areas and gravel service roads. This maintenance includes routine inspections of vegetated areas and the reseeded of areas where vegetative growth is not well established. Paved surfaces are to be cleaned as required to control accumulated dust. Dust is to be controlled on the facility access roads by the application of gravel as needed and by routine watering.
- (3) A cattle guard and rumble strip have been provided on the access road to aid in removal of soil from the tires of vehicles leaving the facility. These are to be cleaned regularly. In addition, the access road is to be swept on an as-needed basis.
- (4) The landfill operator shall assess the appropriate dust control measures needed on a daily basis, if any. A daily log book shall be maintained to document the dust control measures implemented.
- (5) The log book shall be made available to the Department upon request.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

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