

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

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 6-2252-00007/00015
Effective Date:

Expiration Date:

Permit Issued To: DEVELOPMENT AUTHORITY OF THE NORTH COUNTRY
DULLES STATE OFFICE BLDG
317 WASHINGTON ST Suite 414
WATERTOWN, NY 13601-3744

Contact: CARRIE TUTTLE
Development Authority of the North Country
317 Washington St
Watertown, NY 13601-13601

Facility: SOLID WASTE MANAGEMENT FACILITY
23400 State Route 177
Rodman, NY 13682

Description:

The Department has received a request for a permit renewal to operate air pollution sources and has drafted, pursuant to Article 19 (Air Pollution Control) of the Environmental Conservation Law, a Title V Facility Permit, for the DANC Solid Waste Management Facility (SWMF) located in the Town of Rodman, Jefferson County, New York. The facility consists of a landfill that accepts municipal solid waste and a landfill-gas-to-energy facility. Each will be operating under one capped emission limit of 245 tons per year of carbon monoxide in order to remain a PSD minor facility. The Standard Industrial Classification representative of this facility is 4953, Refuse Systems.

This Title V renewal application for the DANC SWMF includes emissions from the Innovative DANC landfill-gas-to-energy (LFGTE) facility (DEC Permit ID 6-2252-00018/00001) for regulatory applicability review as a single facility. The DANC SWMF and Innovative DANC facility propose to maintain separate Title V permits. A single facility is allowed to maintain multiple permits under 6 NYCRR Part 201-6.

The 3,000 or 3,500 cfm open candlestick flare at the DANC SWMF (DEC Permit ID 6-2252-00007/00015, emission source F0999 or F0012, respectively) will be utilized as a backup landfill gas combustion device when the landfill gas engines at the Innovative DANC facility are not able to handle the entire amount of collected landfill gas. DANC SWMF also operates up to eight candlestick flares for additional control of landfill gas odors as needed. In addition, the DANC SWMF operates exempt and trivial activities including emergency generators, fuel storage tanks, building heaters, waste oil storage, and mobile equipment.

The Innovative DANC facility consists of four existing Caterpillar G3520C landfill gas engine generator sets. Potential to emit (PTE) emissions from this project include emissions from a 1,100 scfm candlestick flare to combust excess landfill gas that the engines cannot utilize and one enclosed flare thermal oxidizer to control off gases generated during the siloxane removal system regeneration cycle. It also includes exempt sources, such as, an emergency generator, building heaters, and coolant storage tanks.

The DANC SWMF and Innovative DANC facility shall be considered a single facility for all air pollution control regulations applicability determinations. The PTE of any air pollutant from this single facility shall be based on a reduced maximum landfill gas flow rate. This was done by capping the annual waste placement to 250,000 tons per year, emissions of carbon monoxide from the DANC SWMF and Innovative DANC facility will be capped at 245 tons per year.

The draft permit with conditions is available for review in the Region 6 NYSDEC office in Watertown, NY.

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: MIRANDA M GILGORE
 NYSDEC - REGION 6
 317 WASHINGTON ST
 WATERTOWN, NY 13601

Authorized Signature: _____ Date: ___ / ___ / ___

Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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

PAGE LOCATION OF CONDITIONS

PAGE

DEC GENERAL CONDITIONS

General Provisions

- 5 1 Facility Inspection by the Department
- 5 2 Relationship of this Permit to Other Department Orders and Determinations
- 5 3 Applications for permit renewals, modifications and transfers
- 6 4 Permit modifications, suspensions or revocations by the Department

Facility Level

- 6 5 Submission of application for permit modification or renewal-REGION 6 HEADQUARTERS

DEC GENERAL CONDITIONS

****** General Provisions ******

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3

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

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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 6 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 6 Headquarters
Division of Environmental Permits
State Office Building, 317 Washington Street
Watertown, NY 13601-3787
(315) 785-2245

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: DEVELOPMENT AUTHORITY OF THE NORTH COUNTRY
DULLES STATE OFFICE BLDG
317 WASHINGTON ST Suite 414
WATERTOWN, NY 13601-3744

Facility: SOLID WASTE MANAGEMENT FACILITY
23400 State Route 177
Rodman, NY 13682

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

Permit Effective Date:

Permit Expiration Date:

PAGE LOCATION OF CONDITIONS**PAGE****FEDERALLY ENFORCEABLE CONDITIONS****Facility Level**

7	1	6 NYCRR 200.6: Acceptable Ambient Air Quality
7	2	6 NYCRR 201-6.4 (a) (7): Fees
8	3	6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
8	4	6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
8	5	6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
11	6	6 NYCRR 201-6.4 (e): Compliance Certification
12	7	6 NYCRR 202-2.5: Recordkeeping requirements
13	8	6 NYCRR 215.2: Open Fires - Prohibitions
14	9	6 NYCRR 200.7: Maintenance of Equipment
14	10	6 NYCRR 201-1.7: Recycling and Salvage
14	11	6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
14	12	6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
15	13	6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
15	14	6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
15	15	6 NYCRR 201-6.4 (a) (8): Right to Inspect
16	16	6 NYCRR 202-1.1: Required Emissions Tests
16	17	40 CFR Part 68: Accidental release provisions.
16	18	40CFR 82, Subpart F: Recycling and Emissions Reduction
17	19	6 NYCRR Subpart 201-6: Emission Unit Definition
17	20	6 NYCRR Subpart 201-6: Compliance Certification
18	21	6 NYCRR Subpart 201-6: Compliance Certification
18	22	6 NYCRR Subpart 201-6: Compliance Certification
19	23	6 NYCRR Subpart 201-6: Compliance Certification
20	24	6 NYCRR Subpart 201-6: Compliance Certification
21	25	6 NYCRR Subpart 201-6: Compliance Certification
21	26	6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
22	27	6 NYCRR 201-6.4 (f): Operational Flexibility
22	28	6 NYCRR 201-6.4 (f) (2): Compliance Certification
25	29	6 NYCRR Subpart 201-7: Facility Permissible Emissions
25	*30	6 NYCRR Subpart 201-7: Capping Monitoring Condition
28	*31	6 NYCRR Subpart 201-7: Capping Monitoring Condition
29	32	6 NYCRR 202-2.1 (c): Compliance Certification
30	33	6 NYCRR 202-2.3: Required contents of an emission statement.
31	34	6 NYCRR 202-2.4: Emission statement methods and procedures
32	35	6 NYCRR 202-2.4 (a) (3): Statement dates for emissions statements.
33	36	6 NYCRR 211.2: Visible Emissions Limited
33	37	6 NYCRR 225-1.2 (d): Compliance Certification
34	38	6 NYCRR 226-1.3: Compliance Certification
35	39	6 NYCRR 227-1.4 (a): Compliance Certification
36	40	6 NYCRR 231-3.5 (b): Compliance Certification
36	41	40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
37	42	40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
37	43	40CFR 60.7(c), NSPS Subpart A: Compliance Certification
38	44	40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
38	45	40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
38	46	40CFR 60.9, NSPS Subpart A: Availability of information.

- 38 47 40CFR 60.11(d), NSPS Subpart A: Compliance with
Standards and Maintenance Requirements
- 39 48 40CFR 60.12, NSPS Subpart A: Circumvention.
- 39 49 40CFR 60.14, NSPS Subpart A: Modifications.
- 39 50 40CFR 60.14, NSPS Subpart A: Compliance Certification
- 40 51 40CFR 60.15, NSPS Subpart A: Reconstruction
- 40 52 40CFR 60, NSPS Subpart III: Applicability
- 40 53 40CFR 60.764(a)(1), NSPS Subpart XXX: Compliance Certification
- 42 54 40CFR 60.764(a)(2), NSPS Subpart XXX: Compliance Certification
- 43 55 40CFR 60.764(a)(3), NSPS Subpart XXX: Compliance Certification
- 45 56 40CFR 60.764(a)(4), NSPS Subpart XXX: Compliance Certification
- 46 57 40CFR 60.767(b), NSPS Subpart XXX: Compliance Certification
- 48 58 40CFR 61.154, NESHAP Subpart M: Asbestos-containing
waste material standard for active waste disposal sites
- 48 59 40CFR 63, Subpart A: General Provisions
- 48 60 40CFR 63.6640(f), Subpart ZZZZ: Compliance Certification
- Emission Unit Level**
- 49 61 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 50 62 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=1-LFGAS,Proc=001

- 51 63 40CFR 60.18(c), NSPS Subpart A: Flare operation requirements.
- 51 64 40CFR 60.18(d), NSPS Subpart A: Flare monitoring requirements.
- 52 65 40CFR 60.18(e), NSPS Subpart A: Flare visible emissions.
- 52 66 40CFR 60.18(f), NSPS Subpart A: Flare compliance testing.

STATE ONLY ENFORCEABLE CONDITIONS**Facility Level**

- 55 67 ECL 19-0301: Contaminant List
- 55 68 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
- 56 69 6 NYCRR 201-6.5 (a): Compliance Demonstration
- 58 70 6 NYCRR 201-6.5 (a): Compliance Demonstration
- 60 71 6 NYCRR 201-6.5 (a): Compliance Demonstration
- 61 72 6 NYCRR 211.1: Air pollution prohibited
- 61 73 6 NYCRR 211.1: Compliance Demonstration
- 62 74 6 NYCRR 217-3.2: Prohibitions
- 63 75 6 NYCRR 257-5.3: Compliance Demonstration
- 63 76 6 NYCRR 257-5.3: Compliance Demonstration

NOTE: * preceding the condition number indicates capping.

FEDERALLY ENFORCEABLE CONDITIONS
Renewal 4/DRAFT **** Facility Level ****

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

- Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.
- Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.
- Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay

any permit condition.

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

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

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

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

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

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

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

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

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

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

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

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

- i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the department pursuant to the provisions of section 201- 6.6 of this Subpart.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.
- iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

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

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

Item K: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable

rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

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

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

Applicable Federal Requirement: 6 NYCRR 200.6

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

- Condition 2: Fees**
Effective for entire length of Permit

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

- Item 2.1:**

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

**Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective for entire length of Permit**

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

Item 3.1:

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

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

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

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

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

Item 4.1:

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

**Condition 5: Compliance Certification
Effective for entire length of Permit**

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in

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

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

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

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

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

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

Condition 6: Compliance Certification
Effective for entire length of Permit

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
 - and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

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

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

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
State Office Building
317 Washington Street
Watertown, NY 13601-3787

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2027.
Subsequent reports are due on the same day each year

Condition 7: Recordkeeping requirements
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 7.1:

- (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 8: Open Fires - Prohibitions
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 215.2

Item 8.1:

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 8.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

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

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

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

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

**Condition 9: Maintenance of Equipment
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 200.7

Item 9.1:

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 10: Recycling and Salvage
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 10.1:

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 11: Prohibition of Reintroduction of Collected Contaminants to
the air
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 11.1:

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 12: Exempt Sources - Proof of Eligibility
Effective for entire length of Permit**

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

Item 12.1:

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

Condition 13: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 13.1:

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 14: Requirement to Provide Information
Effective for entire length of Permit

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

Item 14.1:

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 15: Right to Inspect
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 15.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 16: Required Emissions Tests

Effective for entire length of Permit**Applicable Federal Requirement:6 NYCRR 202-1.1****Item 16.1:**

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 17: Accidental release provisions.
Effective for entire length of Permit****Applicable Federal Requirement:40 CFR Part 68****Item 17.1:**

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

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

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

**Condition 18: Recycling and Emissions Reduction
Effective for entire length of Permit****Applicable Federal Requirement:40CFR 82, Subpart F****Item 18.1:**

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 19: Emission Unit Definition
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 19.1:

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

Emission Unit: 1-LFGAS

Emission Unit Description:

This emission unit consists of landfilled waste generating landfill gas by anaerobic decomposition. The emission unit consists of the use of either one main 3,000 cubic feet per minute (cfm) open candlestick flare or one main 3,500 cfm candlestick flare and up to eight smaller portable, passive candlestick flares defined as emissions sources and emission points. Landfill gas not captured by the facility's gas collection and control system is released as fugitive emissions.

Item 19.2:

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

Emission Unit: 3-LCHST

Emission Unit Description:

This emission unit consists of three 1.1 million gallon capacity steel, closed topped aboveground leachate storage tanks. These three leachate storage tanks are considered solid waste handling equipment and are trivial activities per 6 NYCRR 201-3.3(c)(41).

Condition 20: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 20.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-LFGAS

Process: 001

Emission Source: F0012

Emission Unit: 1-LFGAS

Process: 001

Emission Source: F0999

Item 20.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

DANC SWMF shall only operate one stationary open candlestick flare at any given time. The facility shall maintain records to demonstrate that it has operated either emission source F0999 or emission source F0012 at a given time.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 21: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

The Compliance Certification activity will be performed for the Facility.

Item 21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

DANC SWMF shall operate and maintain a device to continuously measure the flow of landfill gas to the main stationary open candlestick flare (emission source F0999 or emission source F0012).

The open candlestick flare (emission source F0999 or emission source F0012) shall be utilized as a backup landfill gas combustion device when the landfill gas engines and flare at the Innovative DANC facility (DEC ID 6-2252-00018) are not able to combust all landfill gas being collected at the landfill.

The facility shall maintain maintenance records, operational records, and records of the continuous landfill gas flow measurement data for the device for at least five years following the date of record.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 22: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1:

The Compliance Certification activity will be performed for the Facility.

Item 22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

DANC SWMF (DEC ID 6-2252-00007) and Innovative DANC facility (DEC ID 6-2252-00018) shall be considered a single facility for all air pollution control regulations applicability determinations. This being the case, if a

modification occurs at either facility, both Air Title V permits will require a modification to address the impact on emissions from the facility as a whole.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 23: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 23.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of a municipal solid waste (MSW) landfill having a design capacity equal to or greater than 2.5 million megagrams and 2.5 million cubic meters, shall either comply with 40 CFR Part 60.762(b)(2) or calculate a non-methane organic compound (NMOC) emission rate for the landfill using the procedures specified in 40 CFR Part 60.764(a). The NMOC emission rate shall be recalculated annually, except as provided in 40 CFR Part 60.767(b)(1)(ii).

(1) If the calculated NMOC emission rate is less than 34 megagrams per year, the owner or operator shall:

(i) Submit an annual emission report to the Administrator, except as provided for in 40 CFR Part 60.767(b)(1)(ii);

and

(ii) Recalculate the NMOC emission rate annually using the procedures specified in 40 CFR Part 60.764(a) until such time as the calculated NMOC emission rate is equal to or greater than 34 megagrams per year. If upon recalculation the NMOC emission rate is equal to or greater than 34 megagrams per year, the owner or operator shall install a collection and control system in compliance with 40 CFR Part 60.762(b)(2).

(2) If the calculated NMOC emission rate is less than 34 megagrams per year, the following provisions of 40 CFR Part 60 Subpart XXX, do not apply: 60.763(a) - (g), 60.764(b), 60.764(d), 60.765(a) - (e), 60.766(a), 60.766(c), 60.766(e) - (f), 60.767(f) - (g), 60.768(a) - (e), and 60.769(a) - (c).

(3) If the calculated NMOC emission rate is equal to or greater than 34 megagrams per year, all provisions outlined in paragraph (2), will at that time become applicable requirements for this facility. Additionally, when the NMOC emission rate is equal to or greater than 34 megagrams per year, the facility shall apply for a modification to this permit that will add all the applicable provisions of 40 CFR 60 Subpart XXX.

Parameter Monitored: NMOC - LANDFILL USE ONLY

Upper Permit Limit: 34 Megagrams (10**6 grams) per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 24: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 24.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To maintain the facility-wide cap of carbon monoxide to 245 tons per year or less, DANC SWMF shall limit the waste acceptance rate in the landfill to 250,000 tons of municipal solid waste (MSW) during any calendar year. DANC SWMF shall continuously measure and maintain records of the actual amount of MSW accepted on a monthly basis. The amount of MSW accepted each month shall be added to the previous monthly MSW acceptance amounts within the same calendar year to calculate a MSW acceptance total for the year.

Parameter Monitored: MUNICIPAL SOLID WASTE

Upper Permit Limit: 250000 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 25: Compliance Certification

Effective for entire length of Permit**Applicable Federal Requirement:6 NYCRR Subpart 201-6****Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 25.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To maintain the facility-wide cap of carbon monoxide (CO) to 245 tons per year or less, DANC SWMF shall track annual calendar year landfill gas production. Once annual calendar year landfill gas production reaches 1,208,709,180 standard cubic feet (scf), corrected to 50% methane, the facility will have 180 days to submit an application to install an enclosed flare, or a similar acceptable control device, to replace the current open flare control device (emission point 00010 in the Innovative DANC facility Title V permit, permit ID 6-2252-00018/00001). The emission factors for the control device must ensure that the facility can meet or exceed the control requirements and stay below the CO emission cap.

When sufficient new evidence becomes available to substantiate changing any of the open flare emission factors, the facility may submit an application and request that the Department revise the landfill gas production rate that would require the installation of a new control device.

Parameter Monitored: LANDFILL GAS

Upper Permit Limit: 1,208,709,180 standard cubic feet
per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 26: Progress Reports Due Semiannually
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)**Item 26.1:**

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 27: Operational Flexibility
Effective for entire length of Permit

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

Item 27.1:

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

Condition 28: Compliance Certification
Effective for entire length of Permit

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

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Protocol

I. Protocol Objective

The objective of this condition is to enable operational flexibility at the facility by building the capability to make certain changes pursuant to this protocol into the Title V permit. As provided under 6 NYCRR Part 201-6.4(f), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.6 unless required by the Department pursuant to 201-6.4(f)(4).

II. Protocol

A. Criteria

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

- a. All underlying federal and state requirements with which the new or changed operation or emission source must comply must exist in the Title V permit. Existing permit conditions may be amended to reference or include the new or changed operation or emission source and any related information, and/or subject to the Department's approval, new conditions proposed, to provide the appropriate monitoring parameters.
- b. Any new or changed emission source shall not be part of a source project that results in a significant net emission increase that exceeds the New Source Review (NSR) thresholds identified in 6 NYCRR Part 231.
- c. The facility shall not use the protocol to make physical changes or changes in the method of operation of existing emissions sources that would require a new or modified federally enforceable emissions cap. Such changes must be addressed via the significant permit modification provisions.

B. Notification Requirements for Changes Reviewed under the Protocol

1. The facility shall notify the Department in writing of the proposed change at least 15 days in advance of making the proposed change.
2. Notifications made in accordance with this protocol must include the following information:
 - a. Identification of the Title V permit emission unit, process(es), emission source(s) and emission point(s) affected by the proposed change with applicable revisions to the Emission Unit structure;
 - b. Description of the proposed change, including operating parameters affected;
 - c. Identification and description of emissions control device or technology that will be used; and
 - d. Documentation of the project's, or emission source's, compliance with respect to all state and/or federally applicable requirements, including the following:
 - i. Calculations demonstrating the emission rate potential and maximum projected annual actual emission rates for all contaminants affected by the change;

- ii. Documentation demonstrating that the change is not subject to the New Source Review requirements described in 6 NYCRR Part 231;
 - iii. Identification and evaluation of all state and federal regulations applicable to the proposed change;
 - iv. A description of any additional operating and record keeping procedures necessary to ensure compliance with all applicable requirements; and
 - v. Any other relevant information used for the evaluation of the proposed change under this protocol.
- e. Any other relevant information used for the evaluation of the proposed project or emission source under the Protocol.

C. Review and Approval of Changes

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

D. Additional Compliance Obligations for Changes Made Under this Protocol

1. Upon commencement of the change, the facility shall comply with all applicable requirements and permit conditions, including any amended or proposed in accordance with II.A.1.a above.
2. The facility shall provide with the semiannual monitoring report, a summary of the changes made in

accordance with this protocol and a statement of the compliance status of each. Changes reported should include all those made during the corresponding period and any earlier changes that have not yet been incorporated into the permit.

3. The facility shall include each change made pursuant to this protocol in the next application for permit modification or renewal, whichever is first. Changes made pursuant to this protocol are not subject to the permit shield provisions described in 6 NYCRR 201-6.4(g) until they are incorporated into the Title V permit.

4. The facility shall maintain a record of each change made pursuant to this protocol at the facility and shall make such records available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 29: Facility Permissible Emissions
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 29.1:

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: 414,000 pounds per year

Name: CARBON MONOXIDE

**Condition 30: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 30.1:

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 30.2:

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

Item 30.3:

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 30.4:

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

Item 30.5:

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 30.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 30.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Facility (DANC SWMF Permit ID 6-2252-00007/00015 and Innovative DANC facility Permit ID 6-2252-00018/00001) emissions of carbon monoxide (CO) shall not exceed 245 tons during any consecutive 12-month period. Facility CO emissions shall represent the total emissions from emission sources F0001 through F0008 and emission source F0999 or F0012 from DANC SWMF; emission sources 01ENG through 04ENG, F0010, and F0011 from Innovative DANC facility; and all exempt sources. To demonstrate compliance with this limit, the facility shall perform the following:

The DANC SWMF (Permit ID 6-2252-00007/00015) shall maintain records of the estimated quantity of landfill gas combusted in eight portable passive open flares (emission sources F0001 through F0008) and the metered landfill gas combusted in the active open flare (emission source F0999 or emission source F0012) on a monthly basis. At the end of each month, DANC SWMF shall calculate the monthly emissions of CO from landfill gas combustion at the DANC SWMF.

The Innovative DANC facility (Permit ID

6-2252-00018/00001) shall maintain records of the metered landfill gas combusted in the open flare (emission source F0010) and enclosed flare thermal oxidizer (emission source F0011) on a monthly basis. Additionally, Innovative DANC facility shall install and maintain a device that continuously measures and provides a monthly total of the actual gross electrical output from each engine (emission sources 01ENG through 04ENG) in kilowatt-hours (kWh). At the end of each month, Innovative DANC facility shall calculate the monthly emissions of CO from landfill gas combustion at the Innovative DANC facility.

Flared emissions shall be calculated utilizing the EPA AP-42, Vol. I, Ch. 2-4 Municipal Solid Waste Landfills dated May 2025 flare emission factor of 58 lb CO/million dry standard cubic feet (dscf) methane, multiplied by the monthly quantity of landfill gas combusted in all open flares (emission sources F0001 through F0008, emission source F0999 or F0012 and F0010), and shall be calculated utilizing the enclosed flare thermal oxidizer emission factor provided in the permit application (202.4 lb CO/million scf methane) multiplied by the monthly quantity of landfill gas combusted in the enclosed flare thermal oxidizer (emission source F0011).

Engine emissions shall be calculated as follows:

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]

If no data is available for a specific engine, the facility shall use the highest emission factor from the engines on-site. The monthly CO emissions from each engine will be summed to give the total for all engines operating during each month.

The combined engine and flare monthly CO emissions shall be added to the previous 11 months of CO emissions to give a total CO emission rate over the most recent consecutive 12-month period. The CO emissions over any consecutive 12-month period shall not exceed 245 tons.

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

When sufficient new evidence becomes available to substantiate changing any of the emission factors used to calculate the monthly CO emissions, the facility may submit a request to the Department to utilize the new

emission factors. The facility may use the revised emission factors upon Department approval.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 245 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 31: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 31.1:

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 31.2:

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

Item 31.3:

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 31.4:

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

Item 31.5:

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 31.6:

The Compliance Certification activity will be performed for the Facility.

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

Item 31.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

DANC SWMF emissions of carbon monoxide (CO) from combustion of landfill gas shall not exceed 207 tons during any consecutive 12-month period. The CO limit of 207 tons is based on a maximum landfill gas flow rate of 3,368 standard cubic feet per minute (scfm), expressed as 50% methane. To demonstrate compliance with this limit, the facility shall perform the following:

DANC SWMF shall maintain records of the amount of landfill gas burned, in each landfill gas control device (emission sources F0001 through F0008 and emission source F0999 or F0012) on a monthly basis.

At the end of each month, the DANC SWMF shall utilize the monthly quantity of landfill gas burned in each landfill gas control device and the corresponding CO emission factor to calculate the monthly emissions of CO.

The 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 207 tons.

When sufficient new evidence becomes available to substantiate changing any of the emission factors used to calculate the monthly CO emissions, the facility may submit a request to the Department to utilize the new emission factors. The facility may use the revised emission factors upon Department approval.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 207 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 32: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 202-2.1 (c)

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Electronic submittal of emission statements will become mandatory and will be included as an enforceable condition in new or renewed Title V permits issued after January 1, 2021. The first reporting year under this provision will be the reporting year in which the permit was issued or reporting year 2025 (emission statements due in 2026), whichever is earlier.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 33: Required contents of an emission statement.
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 202-2.3

Item 33.1:

(a) Emission statements shall include the following:

(1) Certification by a duly authorized representative. A duly authorized representative must sign a form provided by the Department to verify the truth, accuracy, and completeness of the emission statement. This certification shall state that, based on information and belief formed after reasonable inquiry by the duly authorized representative, the statements and information in the document are true, accurate, and complete. The certification shall include the full name, title, original signature, date of signature and telephone number of the duly authorized representative.

(2) Facility level information, consisting of:

(i) verification of full name of facility;

(ii) verification of parent company name;

(iii) verification of street address (physical location) of the facility;

(iv) verification of four digit SIC code(s) for the facility;

(v) calendar year reportable emissions.

(vi) total facility fuel use and fuel sulfur content and heat value (for combustion installations); and,

(vii) fugitive emissions.

(3) Emission point level information, consisting of:

(i) average hours of operation per day (peak ozone and carbon monoxide seasons);

(ii) average days of operation per week (peak ozone and carbon monoxide seasons);

- (iii) weeks of operation per year (seasonal and annual);
- (iv) hours of operation per year; and
- (v) percentage annual throughput (percentage of annual activity by season).
- (vi) verification of latitude and longitude.
- (4) Process level information, consisting of:
 - (i) maximum heat input (for combustion installations);
 - (ii) quantity of fuels consumed (for combustion installations);
 - (iii) estimated actual annual reportable emissions, for each air regulated air pollutant emitted, (in units of pounds per year);
 - (iv) estimated emissions method (see 6 NYCRR Part 202-2.4(b));
 - (v) emission factor(s) (if used to determine actual emissions);
 - (vi) primary and secondary control equipment identification code(s);
 - (vii) control efficiencies achieved by the control equipment. The control efficiency should reflect the total control efficiency from all control equipment for a specific criteria group (e.g., VOCs and NO_x). If the actual control efficiency is unavailable, the design efficiency or the control efficiency limit imposed by a permit shall be used;
 - (viii) annual process rate;
 - (ix) peak ozone season daily process rate.
- (b) Petroleum, volatile organic liquid, and fuel storage and distribution facilities must provide the following additional information:
 - (1) tank capacity (including maximum and average liquid height, and working volume); and
 - (2) throughput associated with tanks and loading racks (including turnovers per year).
- (c) The Department shall provide instructions concerning the emission statements applicable to a particular facility, when the statement is mailed to the facility. These instructions shall include control equipment identification code(s) and estimated emissions method code(s).

**Condition 34: Emission statement methods and procedures
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 202-2.4

Item 34.1:

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

(a) Emissions estimates shall be based on the owner's or operator's use of the following methods. For each instance, the owner or operator must utilize one of the following emissions

estimation methods to represent actual emissions emitted during the calendar year.

- (1) stack samples or other emission measurements;
- (2) material balance using knowledge of the process;
- (3) national emission factors;
- (4) best engineering judgement (including manufacturers' guarantees);
- (5) state or local agency emission factors approved by EPA;

(6) standard EPA emission factors (SCC emission factor). The Department shall assign the SCC to a particular facility. A source owner may request the Department to change an assigned SCC;

- (7) other published emission factors (please provide); and
- (8) other (please specify).

(NOTE: Emissions testing is generally not required for determining emissions to comply with this regulation. When monitoring or testing data is available and has been validated and verified by the Department and is still applicable to the operations during the reporting period, this monitoring or testing data should be used to calculate emissions for this reporting requirement. In the absence of validated monitoring or testing data, the facility should use the emissions estimation method which would yield accurate emissions data.)

(b) If a source owner or operator is required to use a specific monitoring method to demonstrate compliance with other applicable requirements, the Department may require that the emission estimates for the corresponding processes be based on information obtained from that monitoring method. The Department may reject the use of a proposed method for a particular process if it can be demonstrated that the method does not represent actual emissions.

(c) Any owner or operator of a reportable facility shall transmit the emission statement to the Department on forms acceptable to the Department. With the prior approval of the Department, an emission statement which meets the requirements of section 202-2.4 may be submitted on computer diskette or transmitted electronically in lieu of a written submission.

(d) The owner or operator may request that information submitted in emission statements be designated as a trade secret, in accordance with Part 616 of this Title. Data elements not considered to be confidential include: emissions, estimated emissions method, and the SCC. The Department will evaluate claims for confidentiality in accordance with Part 616 of this Title.

**Condition 35: Statement dates for emissions statements.
Effective for entire length of Permit**

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

Item 35.1:

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

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

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

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

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

Condition 36: Visible Emissions Limited
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 211.2

Item 36.1:

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 37: Compliance Certification
Effective for entire length of Permit

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

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: 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: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 12 calendar month(s).

Condition 38: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 226-1.3

Item 38.1:

The Compliance Certification activity will be performed for the Facility.

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators conducting solvent cleaning processes must:

- (a) 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;
- (b) maintain equipment to minimize leaks and fugitive emissions;
- (c) display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs;
- (d) keep the degreaser cover closed except when parts are being placed into or being removed from the degreaser, the cover needs to be open in order to remove solvent from the degreaser, no solvent is in the degreaser, or manually cleaning parts in a cold cleaning degreaser;
- (e) create and maintain a record of solvent consumption for five years. This record must be retained for five years and made available to the department upon request;
- (f) not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser; and
- (g) if using a cold cleaning degreaser that is subject to paragraph 6 NYCRR 226-1.4(a)(4), retain a record of the following three items for five years and provide these records to the Department upon request. An invoice, bill of sale, a certificate covering multiple sales, manufacturers published information, or other appropriate documentation acceptable to the Department may be used to comply with this requirement:
 - (1) name and address of the solvent supplier;
 - (2) the type of solvent including the product or vendor identification number; and
 - (3) the VOC content of the cleaning solution in grams per liter (gm/l) or the vapor pressure of the solvent measured in mm Hg at 20 degrees Celsius (68 degrees Fahrenheit) as appropriate to verify compliance.

Monitoring Frequency: ANNUALLY
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 12 calendar month(s).

Condition 39: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 227-1.4 (a)

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

Item 39.2:

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 6 minute period per hour of not more than 27 percent opacity. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

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

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

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

Parameter Monitored: OPACITY
 Upper Permit Limit: 20 percent

Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 40: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-3.5 (b)

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

For the purposes of Subparts 231-7 and 231-8 of 6 NYCRR Part 231 only, at such time that a particular facility becomes a major facility, or a modification becomes a New Source Review (NSR) major modification solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the facility or modification otherwise to emit a regulated NSR contaminant, such as a restriction on hours of operation, then the requirements of Subparts 231-7 and 231-8 of this Part, as applicable, apply to the facility as though construction had not yet commenced on the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 41: EPA Region 2 address.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 41.1:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit)

and to the following address:

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

**Condition 42: Recordkeeping requirements.
Effective for entire length of Permit**

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

Item 42.1:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

**Condition 43: Compliance Certification
Effective for entire length of Permit**

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

Item 43.1:

The Compliance Certification activity will be performed for the Facility.

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except

for zero and span checks and the nature of the system repairs or adjustments; and

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

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 44: Excess emissions report.
Effective for entire length of Permit**

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

Item 44.1:

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

**Condition 45: Facility files for subject sources.
Effective for entire length of Permit**

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

Item 45.1:

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

**Condition 46: Availability of information.
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 46.1:

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

**Condition 47: Compliance with Standards and Maintenance Requirements
Effective for entire length of Permit**

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

Item 47.1:

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control

practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

Condition 48: Circumvention.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 48.1:

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

Condition 49: Modifications.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 49.1:

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

Condition 50: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 50.1:

The Compliance Certification activity will be performed for the Facility.

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

For the purposes of this permit, any increase in the landfill maximum waste design capacity of 21,336,500 tons or any increase in the landfill maximum waste design capacity of 21,336,500 cubic yards (as authorized by DANC SWMF Solid Waste Management Facility permit) shall require DANC SWMF to request a Title V permit modification.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 51: Reconstruction
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 51.1:

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

- 1) a notice of intent to reconstruct 60 days (or as soon as practicable) prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

Condition 52: Applicability
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

Item 52.1:

Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart IIII.

Condition 53: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.764(a)(1), NSPS Subpart XXX

Item 53.1:

The Compliance Certification activity will be performed for the Facility.

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a municipal solid waste landfill must calculate the NMOC emission rate using either of the two equations in paragraphs (1)(A) or (2)(A) below. Both equations may be used if the actual year-to-year solid waste acceptance rate is known, as specified in paragraph (1)(A), for part of the life of the landfill and the actual year-to-year solid waste acceptance rate is unknown, as specified in paragraph (2)(A), for part of the life of the landfill. The values to be used in both equations are 0.05 per year for k, 170 cubic meters per megagram for Lo, and 4,000 parts per million by volume as hexane for the CNMOC. For landfills located in geographical areas with a 30-year annual average precipitation of less than 25 inches, as measured at the nearest representative official meteorologic site, the k value to be used is 0.02 per year.

(1)(A) This equation must be used if the actual year-to-year solid waste acceptance rate is known.

$$MNMOC = \sum_{i=1,n} 2kLo Mi (e^{-kti})(CNMOC)(3.6 \times 10^{-9})$$

Where:

MNMOC = Total NMOC emission rate from the landfill, megagrams 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.

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

3.6×10^{-9} = Conversion factor.

(B) The mass of nondegradable solid waste may be subtracted from the total mass of solid waste in a particular section of the landfill when calculating the value for Mi if documentation of the nature and amount of such wastes is maintained.

(2)(A) This equation must be used if the actual year-to-year solid waste acceptance rate is unknown.

$$\text{MNMOC} = 2\text{LoR} (e^{-kc} - e^{-kt}) \text{ CNMOC} (3.6 \times 10^{-9})$$

Where:

MNMOC = Mass emission rate of NMOC, megagrams per year.

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

R = Average annual acceptance rate, megagrams per year.

k = Methane generation rate constant, year⁻¹.

t = Age of landfill, years.

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

c = Time since closure, years; for an active landfill c = 0 and e^{-kc} = 1.

3.6 × 10⁻⁹ = Conversion factor.

(B) The mass of nondegradable solid waste may be subtracted from the total mass of solid waste in a particular section of the landfill when calculating the value of R, if documentation of the nature and amount of such wastes is maintained.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 54: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.764(a)(2), NSPS Subpart XXX

Item 54.1:

The Compliance Certification activity will be performed for the Facility.

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NMOC Calculation - Tier 1.

The owner or operator must compare the calculated NMOC mass emission rate to the standard of 34 megagrams per year.

(i) If the NMOC emission rate calculated in 40 CFR Part 60.764(a)(1) is less than 34 megagrams per year, then the owner or operator must submit an NMOC emission rate report according to 40 CFR Part 60.767(b) and must recalculate the NMOC mass emission rate annually as required under 40 CFR Part 60.762(b).

(ii) If the NMOC emission rate calculated in 40 CFR Part 60.764(a)(1) is equal to or greater than 34 megagrams per year, then the landfill owner or operator must either:

(A) Submit a gas collection and control system design plan within 1 year as specified in 40 CFR Part 60.767(c) and install and operate a gas collection and control system within 30 months according to 40 CFR Part 60.762(b)(2)(ii) and (iii);

(B) Determine a site-specific NMOC concentration and recalculate the NMOC emission rate using the Tier 2 procedures provided in 40 CFR Part 60.764(a)(3); or

(C) Determine a site-specific methane generation rate constant and recalculate the NMOC emission rate using the Tier 3 procedures provided in 40 CFR Part 60.764(a)(4).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 55: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 60.764(a)(3), NSPS Subpart XXX

Item 55.1:

The Compliance Certification activity will be performed for the Facility.

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NMOC Calculation - Tier 2.

The landfill owner or operator must determine the site-specific NMOC concentration using the following sampling procedure. The landfill owner or operator must install at least two sample probes per hectare, evenly distributed over the landfill surface that has retained waste for at least 2 years. If the landfill is larger than 25 hectares in area, only 50 samples are required. The probes should be evenly distributed across the sample

area. The sample probes should be located to avoid known areas of nondegradable solid waste. The owner or operator must collect and analyze one sample of landfill gas from each probe to determine the NMOC concentration using Method 25 or 25C of appendix A of this part. Taking composite samples from different probes into a single cylinder is allowed; however, equal sample volumes must be taken from each probe. For each composite, the sampling rate, collection times, beginning and ending cylinder vacuums, or alternative volume measurements must be recorded to verify that composite volumes are equal. Composite sample volumes should not be less than one liter unless evidence can be provided to substantiate the accuracy of smaller volumes. Terminate compositing before the cylinder approaches ambient pressure where measurement accuracy diminishes. If more than the required number of samples are taken, all samples must be used in the analysis. The landfill owner or operator must divide the NMOC concentration from Method 25 or 25C of appendix A of this part by six to convert from CNMOC as carbon to CNMOC as hexane. If the landfill has an active or passive gas removal system in place, Method 25 or 25C samples may be collected from these systems instead of surface probes provided the removal system can be shown to provide sampling as representative as the two sampling probe per hectare requirement. For active collection systems, samples may be collected from the common header pipe. The sample location on the common header pipe must be before any gas moving, condensate removal, or treatment system equipment. For active collection systems, a minimum of three samples must be collected from the header pipe.

(i) Within 60 days after the date of completing each performance test (as defined in 40 CFR 60.8), the owner or operator must submit the results according to 40 CFR 60.767(i)(1).

(ii) The landfill owner or operator must recalculate the NMOC mass emission rate using Equation 1 or Equation 2 provided in 40 CFR 60.764(a)(1)(i) or (a)(1)(ii) and using the average site-specific NMOC concentration from the collected samples instead of the default value provided in 40 CFR 60.764(a)(1).

(iii) If the resulting NMOC mass emission rate is less than 34 megagrams per year, then the owner or operator must submit a periodic estimate of NMOC emissions in an NMOC emission rate report according to 40 CFR 60.767(b)(1), and must recalculate the NMOC mass emission rate annually as required under 40 CFR 60.762(b). The site-specific NMOC concentration must be retested every 5 years using the methods specified in this section.

(iv) If the NMOC mass emission rate as calculated using

the Tier 2 site-specific NMOC concentration is equal to or greater than 34 megagrams per year, the landfill owner or operator must either:

(A) Submit a gas collection and control system design plan within 1 year as specified in 40 CFR 60.767(c) and install and operate a gas collection and control system within 30 months according to 40 CFR 60.762(b)(2)(ii) and (iii);

(B) Determine a site-specific methane generation rate constant and recalculate the NMOC emission rate using the site-specific methane generation rate using the Tier 3 procedures specified in 40 CFR 60.764(a)(4); or

(C) Conduct a surface emission monitoring demonstration using the Tier 4 procedures specified in 40 CFR 60.764(a)(6).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 56: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.764(a)(4), NSPS Subpart XXX

Item 56.1:

The Compliance Certification activity will be performed for the Facility.

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NMOC Calculation - Tier 3.

The site-specific methane generation rate constant must be determined using the procedures provided in Method 2E of 40 CFR 60 appendix A. The landfill owner or operator must estimate the NMOC mass emission rate using Equation 1 or Equation 2 in 40 CFR 60.764(a)(1)(i) or (ii) and using a site-specific methane generation rate constant, and the site-specific NMOC concentration as determined in 40 CFR 60.764(a)(3) instead of the default values provided in 40 CFR 60.764(a)(1). The landfill owner or operator must compare the resulting NMOC mass emission rate to the standard of 34 megagrams per year.

(i) If the NMOC mass emission rate as calculated using the Tier 2 site-specific NMOC concentration and Tier 3 site-specific methane generation rate is equal to or

greater than 34 megagrams per year, the owner or operator must either:

(A) Submit a gas collection and control system design plan within 1 year as specified in 40 CFR 60.767(c) and install and operate a gas collection and control system within 30 months according to 40 CFR 60.762(b)(2)(ii) and (iii); or

(B) Conduct a surface emission monitoring demonstration using the Tier 4 procedures specified in 40 CFR 60.764(a)(6).

(ii) If the NMOC mass emission rate is less than 34 megagrams per year, then the owner or operator must recalculate the NMOC mass emission rate annually using Equation 1 or Equation 2 in 40 CFR 60.764(a)(1) and using the site-specific Tier 2 NMOC concentration and Tier 3 methane generation rate constant and submit a periodic NMOC emission rate report as provided in 40 CFR 60.767(b)(1). The calculation of the methane generation rate constant is performed only once, and the value obtained from this test must be used in all subsequent annual NMOC emission rate calculations.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

Condition 57: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.767(b), NSPS Subpart XXX

Item 57.1:

The Compliance Certification activity will be performed for the Facility.

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator of a municipal solid waste landfill subject to the requirements of 40 CFR 60 Subpart XXX must submit an NMOC emission rate report following the procedure specified in 40 CFR 60.767(i)(2) of this section to the Administrator initially and annually thereafter, except as provided for in paragraph (1)(ii) below. The Administrator may request such additional information as may be necessary to verify the reported NMOC emission rate.

(1) The NMOC emission rate report must contain an annual

or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in 40 CFR 60.764(a) or (b), as applicable.

(i) The initial NMOC emission rate report may be combined with the initial design capacity report required by 40 CFR 60.767(a) and must be submitted no later than indicated in paragraphs (i)(A) and (B) below. Subsequent NMOC emission rate reports must be submitted annually thereafter, except as provided for in paragraph (ii) below.

(A) November 28, 2016, for landfills that commenced construction, modification, or reconstruction after July 17, 2014, but before August 29, 2016, or

(B) Ninety days after the date of commenced construction, modification, or reconstruction for landfills that commence construction, modification, or reconstruction after August 29, 2016.

(ii) If the estimated NMOC emission rate as reported in the annual report to the Administrator is less than 34 megagrams per year in each of the next 5 consecutive years, the owner or operator may elect to submit, following the procedure specified in 40 CFR 60.767(i)(2), an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual report. This estimate must include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years for which an NMOC emission rate is estimated. All data and calculations upon which this estimate is based must be provided to the Administrator. This estimate must be revised at least once every 5 years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the 5-year estimate, a revised 5-year estimate must be submitted to the Administrator. The revised estimate must cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate.

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

(3) Each owner or operator subject to the requirements of this subpart is exempted from the requirements to submit an NMOC emission rate report, after installing a collection and control system that complies with 40 CFR 60.762(b)(2), during such time as the collection and control system is in operation and in compliance with 40 CFR 60.763 and 40 CFR 60.765.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

**Condition 58: Asbestos-containing waste material standard for active
waste disposal sites
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 61.154, NESHAP Subpart M

Item 58.1:

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 59: General Provisions
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63, Subpart A

Item 59.1:

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

**Condition 60: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63.6640(f), Subpart ZZZZ

Item 60.1:

The Compliance Certification activity will be performed for the Facility.

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an emergency stationary RICE must operate the emergency stationary RICE according to the requirements in 40 CFR 63.6640(f)(1) through (4). In order for the engine to be considered an emergency stationary RICE under subpart ZZZZ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR 63.6640(f)(1) through (4), is prohibited. If the owner or operator does not operate the engine according to the requirements in 40 CFR 63.6640(f)(1) through (4), the engine will not be considered an emergency engine under subpart ZZZZ and must meet all requirements for non-emergency engines.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 12 calendar month(s).

**** Emission Unit Level ****

**Condition 61: Emission Point Definition By Emission Unit
 Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 61.1:

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

Emission Unit: 1-LFGAS

Emission Point: 00001

Height (ft.): 10 Diameter (in.): 8
 NYTMN (km.): 4852.461 NYTME (km.): 426.195

Emission Point: 00002

Height (ft.): 10 Diameter (in.): 8
 NYTMN (km.): 4852.58 NYTME (km.): 426.28

Emission Point: 00003

Height (ft.): 10 Diameter (in.): 8
 NYTMN (km.): 4852.685 NYTME (km.): 426.39

Emission Point: 00004

Height (ft.): 10 Diameter (in.): 8
 NYTMN (km.): 4852.614 NYTME (km.): 426.489

Emission Point: 00005

Height (ft.): 10 Diameter (in.): 8
 NYTMN (km.): 4852.437 NYTME (km.): 426.627

Emission Point: 00006

Height (ft.): 10 Diameter (in.): 8
 NYTMN (km.): 4852.194 NYTME (km.): 426.584

Emission Point: 00007

Height (ft.): 10 Diameter (in.): 8
 NYTMN (km.): 4852.023 NYTME (km.): 426.393

Emission Point: 00008

Height (ft.): 10 Diameter (in.): 8
 NYTMN (km.): 4851.924 NYTME (km.): 426.195

Emission Point: 00012

Height (ft.): 39 Diameter (in.): 13
 NYTMN (km.): 4852.314 NYTME (km.): 426.041

Emission Point: 00999

Height (ft.): 30 Diameter (in.): 12
NYTMN (km.): 4852.554 NYTME (km.): 425.941

**Condition 62: Process Definition By Emission Unit
 Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 62.1:

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

Emission Unit: 1-LFGAS
Process: 001 Source Classification Code: 5-01-004-06

Process Description:
 This process consists of landfilled waste generating
 landfill gas by decomposition and the control of the
 landfill gas emissions by flaring landfill gas collected
 from the landfill through an active gas collection
 system.

Emission Source/Control: F0001 - Control
Control Type: FLARING

Emission Source/Control: F0002 - Control
Control Type: FLARING

Emission Source/Control: F0003 - Control
Control Type: FLARING

Emission Source/Control: F0004 - Control
Control Type: FLARING

Emission Source/Control: F0005 - Control
Control Type: FLARING

Emission Source/Control: F0006 - Control
Control Type: FLARING

Emission Source/Control: F0007 - Control
Control Type: FLARING

Emission Source/Control: F0008 - Control
Control Type: FLARING

Emission Source/Control: F0012 - Control
Control Type: FLARING

Emission Source/Control: F0999 - Control
Control Type: FLARING

Emission Source/Control: LFGAS - Process
Design Capacity: 21,336,500 cubic yards

Item 62.2:

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

Emission Unit: 3-LCHST

Process: 002

Source Classification Code: 5-03-006-02

Process Description:

Landfill leachate is collected and stored in up to three 1.1 million gallon capacity closed topped storage tanks prior to removal and shipment to a water treatment facility.

Emission Source/Control: LCHS1 - Process

Design Capacity: 1.1 million gallons

Emission Source/Control: LCHS2 - Process

Design Capacity: 1.1 million gallons

Emission Source/Control: LCHS3 - Process

Design Capacity: 1.1 million gallons

**Condition 63: Flare operation requirements.
Effective for entire length of Permit**

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

Item 63.1:

This Condition applies to Emission Unit: 1-LFGAS
Process: 001

Item 63.2:

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

- 1) be designed for and operated with no visible emissions as determined by the methods specified in 40 CFR 60.18(f) (Method 22), except for periods not to exceed 5 minutes during any 2 consecutive hours;
- 2) Flares shall be operated with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f) (Method 22);
- 3) An owner/operator has the choice of adhering to either the heat content specifications in 40 CFR 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR 60.18(c)(4), or adhering to the requirements in 40 CFR 60.18(c)(3)(i).
- 4) Steam assisted and non assisted flares shall be designed for and operate with an exit velocity, as determined by the methods specified in 40 CFR 60.18(f)(4), less than 18.3 m/sec (60 ft/sec), except as provided in 40 CFR 60.18(c)(4)(ii) and (iii).
- 5) Air-assisted flares shall be designed and operated with an exit velocity less than the velocity, V_{MAX} , as determined by the method specified in 40 CFR 60.18(f)(6).
- 6) Flares used to comply with 40 CFR 60.18(c) shall be steam-assisted, air-assisted or non-assisted.

**Condition 64: Flare monitoring requirements.
Effective for entire length of Permit**

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

Item 64.1:

This Condition applies to Emission Unit: 1-LFGAS
Process: 001

Item 64.2:

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

**Condition 65: Flare visible emissions.
Effective for entire length of Permit**

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

Item 65.1:

This Condition applies to Emission Unit: 1-LFGAS
Process: 001

Item 65.2:

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

**Condition 66: Flare compliance testing.
Effective for entire length of Permit**

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

Item 66.1:

This Condition applies to Emission Unit: 1-LFGAS
Process: 001

Item 66.2: Required flares used to comply with the provisions in this subpart shall comply with the following:

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

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

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

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

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

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

STATE ONLY ENFORCEABLE CONDITIONS****** Facility Level ********NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined in 6 NYCRR subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

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

(2) the equipment at the facility was being properly operated and maintained;

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

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

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

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

Item B: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to

properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 67: Contaminant List
Effective for entire length of Permit

Applicable State Requirement: ECL 19-0301

Item 67.1:

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: 007783-06-4

Name: HYDROGEN SULFIDE

CAS No: 0NY998-20-0

Name: NMOC - LANDFILL USE ONLY

Condition 68: Malfunctions and Start-up/Shutdown Activities
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR 201-1.4

Item 68.1:

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

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

(c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, the air contaminants emitted, and the resulting emission rates and/or opacity.

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

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

Condition 69: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR 201-6.5 (a)

Item 69.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 69.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
 OPERATIONS

Monitoring Description:

In order to demonstrate that the landfill gas collection system is operating properly, the owner or operator shall measure gauge pressure in the gas collection header applied to each individual collector on a monthly basis. If a positive pressure exists, corrective action shall be taken within five calendar days except under the following

conditions:

- 1) A fire or increased well temperature. The owner or operator must record instances when positive pressure occurs in efforts to avoid a fire. These records must be submitted with the semiannual reports required by this permit.
- 2) Use of a geomembrane or synthetic cover. The owner or operator must develop acceptable pressure limits in the design plan.
- 3) A decommissioned well. A well may experience a static positive pressure after shutdown to accommodate for declining flows. All design changes must be approved by the Department prior to implementation.

If monitoring demonstrates that positive pressure exists in the gas collection header, corrective action shall be taken as specified below. If corrective actions are taken as specified, the monitored exceedance is not a violation of this condition, however, the permittee shall report these episodes as deviations in the semiannual report.

The facility must maintain records of the monthly monitoring and corrective actions on site for a period of at least five years from the date of the record. A summary of corrective actions taken per this condition shall be provided in the semiannual monitoring report required by this permit.

The facility must keep an on site record of an up to date plot map showing each existing gas collector in the active gas collection system. Each collector shall have a unique identification label. The facility shall document the installation date, location, and date of final connection to the active gas collection and control system. The facility must provide a summary of any expansion of the gas collection system to the Department in the semi-annual monitoring report required by this permit.

Corrective Action:

If positive pressure exists, action must be initiated to correct the pressure within five calendar days. Any attempted corrective measure must not cause exceedances of other operational or performance standards.

If negative pressure cannot be achieved within 15 calendar days of the first measurement of positive pressure, the facility must conduct a root cause analysis and correct the exceedance as soon as practicable, but no later than 45 days after positive pressure was first measured.

For any corrective action that is not completed within 45

days after the first measurement of positive pressure, the facility shall submit a notification to the Department as soon as practicable but no later than 60 days after positive pressure was first measured.

If corrective actions cannot be fully implemented within 45 days following the positive pressure measurement for which the root cause analysis was required, the facility must also conduct a corrective action analysis and develop an implementation schedule to complete the corrective action(s) as soon as practicable, but no more than 120 days following the first measurement of positive pressure. The Department must approve the plan for corrective action and the corresponding timeline.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: PRESSURE

Upper Permit Limit: 0 pounds per square inch gauge

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 70: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 201-6.5 (a)

Item 70.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 70.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

In order to demonstrate that the landfill gas collection system is operating properly, the facility shall measure oxygen concentration in the landfill gas collection header applied to each wellhead. Oxygen monitoring should be completed following the procedures in 40 CFR 60.766(a)(2). If an oxygen concentration greater than five percent (5%) exists, corrective action shall be taken within five days.

If monitoring demonstrates that an oxygen concentration greater than 5% exists in the gas collection header, corrective action shall be taken as specified below. If corrective actions are taken as specified, the monitored high oxygen concentration is not a violation of this condition, however, the permittee shall report these episodes as deviations in the semiannual report.

The following shall be provided in the semiannual report required by this permit: a summary of corrective actions taken per this condition, and for any corrective action analysis which takes more than 45 days to correct, the root cause analysis conducted that includes a description of the recommended corrective action(s), the date for corrective action(s) already completed following the high oxygen concentration reading, and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates.

The facility must maintain records of monthly monitoring and corrective actions on site for a period of at least five years from the date of record. This includes records of corrective actions taken, any root cause analyses conducted (including a description of recommended corrective action(s) taken, and date(s) corrective action(s) were completed), any corrective action analyses conducted (including the date for corrective action(s) already completed following the oxygen concentration reading, and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates), and any copies of any comments or final approvals on corrective action analyses or schedules from the Department.

Corrective Action:

If an oxygen concentration greater than 5% exists, action must be initiated to correct the high concentration within five calendar days. Any attempted corrective measure must not cause exceedances of other operational or performance standards.

If oxygen concentration cannot be corrected within 15 calendar days of the first high oxygen concentration measurement, the facility must conduct a root cause analysis and correct the oxygen concentration as soon as practicable, but no later than 45 days after the first high oxygen concentration measurement.

For any corrective action that is not completed within 45 days after the first high oxygen concentration measurement, the facility shall submit a notification to the Department as soon as practicable but no later than 60 days after the first high oxygen concentration measurement.

If corrective actions cannot be fully implemented within 45 days following the high oxygen concentration measurement for which the root cause analysis was required, the facility must also conduct a corrective action analysis and develop an implementation schedule to complete the corrective action(s) as soon as practicable,

but no more than 120 days following the first high oxygen concentration measurement. The Department must approve the plan for corrective action and the corresponding timeline.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: OXYGEN CONTENT

Upper Permit Limit: 5 percent by volume

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 71: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR 201-6.5 (a)

Item 71.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000074-82-8 METHANE

Item 71.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING

Monitoring Description:

The owner or operator must monitor the surface concentrations of methane consistent with the operational standard found in 40 CFR 60.763(d) utilizing procedures of 40 CFR 60.765(c) and the instrument specifications in 40 CFR 60.765(d).

Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that area of landfill to semiannual monitoring.

The semiannual surface emission monitoring scans shall include monitoring of all penetrations through areas of intermediate and final cover. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.

For safety purposes, if a section of the landfill is covered with snow and/or ice for an entire semiannual period (26 consecutive weeks), that section of the landfill does not need to be included in the surface scan required for that semiannual period. The facility must return to semiannual surface monitoring in the event that conditions improve (i.e., if the snow and/or ice melt and

the ground surface is accessible to the monitoring instruments) during the semiannual monitoring period.

The Department reserves the right to require the facility to perform a drone scan (or equivalent method) to determine if gas emissions are coming from areas that are unable to be scanned if conditions warrant these areas to be scanned. The Department shall notify the facility if this becomes applicable.

The facility shall maintain records of the semiannual surface emission monitoring scans and corrective actions on site for a period of at least five years from the date of the record. The semiannual surface emission monitoring scan reports and subsequent corrective actions shall be provided in the semiannual monitoring report required by this permit.

Upper Permit Limit: 500 parts per million (by volume)
Reference Test Method: AS REQUIRED - SEE MONITORING DESCRIPTION
Monitoring Frequency: SEMI-ANNUALLY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 72: Air pollution prohibited
Effective for entire length of Permit

Applicable State Requirement:6 NYCRR 211.1

Item 72.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 73: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement:6 NYCRR 211.1

Item 73.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 73.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

For the landfill gas collection system, vacuum pressure shall be monitored continuously and recorded as a 1-hour average, rolled every 15 minutes. Whenever the vacuum pressure exceeds -1.5 inches of water, corrective action shall be taken.

If the landfill gas collection system is nonoperational for more than 24 consecutive hours, the facility shall notify the permitting authority during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) as soon as possible, but no later than 48 hours after the occurrence began.

The facility must maintain records of the vacuum pressure monitoring and corrective actions on site for a period of at least five years from the date of record. A summary of landfill gas collection system shutdown periods greater than 1 hour in duration and any corrective actions taken per this condition shall be provided in the semiannual monitoring report required by this permit.

Parameter Monitored: PRESSURE

Upper Permit Limit: -1.5 inches of water

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 74: Prohibitions
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR 217-3.2

Item 74.1: No person who owns, operates or leases a heavy duty vehicle; including a bus or truck, the motive power for which is provided by a diesel fueled engine or who owns, leases or occupies land and has the actual or apparent dominion or control over the operation of a heavy duty vehicle; including a bus or truck present on such land (the motive power for which said heavy duty vehicle is provided by a diesel or non-diesel fueled engine), shall allow or permit the engine of such heavy duty vehicle to idle for more than five consecutive minutes when the heavy duty vehicle is not in motion, except as otherwise permitted by section 6 NYCRR 217-3.3.

Condition 75: Compliance Demonstration

Effective for entire length of Permit**Applicable State Requirement:6 NYCRR 257-5.3****Item 75.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 75.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To maintain compliance with the hydrogen sulfide standard in Part 257-5.3, on an annual basis, the facility shall collect a sample of landfill gas generated by the landfill at the main header prior to the flares for submission to an approved National Environmental Laboratory Accreditation Program (ELAP) accredited laboratory (or other Department approved laboratory) to analyze the concentration of total reduced sulfur compounds and hydrogen sulfide in accordance with EPA Method 3C for fixed gases and ASTM D5504 (or a Department approved equivalent method) for hydrogen sulfide.

The results of the hydrogen sulfide concentration in the landfill gas shall be submitted to the Department annually. The facility shall keep records of the hydrogen sulfide concentration sampling and results on site at the facility for at least five years following the date of record.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 76: Compliance Demonstration
Effective for entire length of Permit****Applicable State Requirement:6 NYCRR 257-5.3****Item 76.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 76.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility has demonstrated that modeled hydrogen sulfide emissions including fugitive landfill surface emissions are currently in compliance with the ambient air quality standard established in 6 NYCRR Part 257-5.

To ensure operations maintain compliance with the hydrogen sulfide standard, the facility shall recalculate the hydrogen sulfide emission rate and verify the parameters used to demonstrate compliance with 6 NYCRR Part 257-5 annually. These parameters include, but are not limited to, engineering estimates, hydrogen sulfide concentration in the landfill gas, landfill gas curve, mass balances, process flows, production records, control equipment parameters, manufacturer's or published emission factors, type and quantity of waste accepted, etc. The recalculated hydrogen sulfide emission rate and verified parameters used to demonstrate compliance shall be submitted to the Department annually.

If the results of the hydrogen sulfide analysis show a potential hydrogen sulfide emission rate greater than 0.60 lb/hr from the surface of the landfill, the potential to exceed the hydrogen sulfide standard is possible. For the hydrogen sulfide AERMOD results submitted in October 2025 to support the permit application, the facility demonstrated compliance with the standard using this emission rate from the surface of the landfill. If calculated emissions exceed 0.60 lb/hr, the facility shall notify the Department and subsequently perform an engineering assessment and dispersion modeling screen analysis for hydrogen sulfide concentrations to demonstrate compliance with Part 257-5.3. If modeling screen results show an exceedance of the standard, refined air dispersion modeling will be conducted. If refined modeling demonstrates an exceedance, then the Department will evaluate the need for a permit modification.

In addition to the modeling demonstration described above, the facility may request to perform ambient air monitoring to supplement modeling results. The facility must submit a monitoring protocol to the Department for approval prior to conducting monitoring.

Parameter Monitored: HYDROGEN SULFIDE
Upper Permit Limit: 0.010 parts per million (by volume)
Monitoring Frequency: ANNUALLY
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

