

Facility DEC ID: 8453200023

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 8-4532-00023/00041
Mod 0 Effective Date: 11/21/2018 Expiration Date: 11/20/2023
Mod 1 Effective Date: 11/21/2018 Expiration Date: No expiration date.
Mod 2 Effective Date: 04/25/2018 Expiration Date: No expiration date.
Mod 3 Effective Date: 07/01/2019 Expiration Date: 11/20/2023

Permit Issued To: SENECA MEADOWS INC
1786 SALCMAN RD
WATERLOO, NY 13165-9444

Contact: Kyle Black
Seneca Meadows SWMF
1786 Salcman Rd
Waterloo, NY 13165
(315) 539-5624

Facility: SENECA MEADOWS SWMF
1786 SALCMAN RD
WATERLOO, NY 13165

Contact: Kyle Black
Seneca Meadows SWMF
1786 Salcman Rd
Waterloo, NY 13165
(315) 539-5624

Description:
Minor modification of recently renewed and modified Title V Permit for the Seneca Meadows, Inc. (SMI) landfill, located at 1786 Salcman Road in the Town of Seneca Falls, Seneca County, New York. The SMI facility is located on an 898-acre site and consists of the existing landfill, the tire facility, an existing soil borrow area, stormwater channels and access roads, stormwater ponds, gas control equipment, and a leachate treatment facility.

Minor modification for new leachate and leachate concentrate evaporator to further treat the concentrate from the leachate treatment system and treat raw leachate. The evaporator is being put in to treat the leachate concentrate to solidify it, so it does not have to be sent to a wastewater treatment plant or off-site facility for treatment and disposal. The new concentrator will be able to process up to 1400 barrels/day (approximately 58,800 gallons per day or 21.462 million gallons/year) of reverse osmosis (RO) concentrate or an equivalent volume of leachate. The unit will contain eight evaporation stacks. Each will

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be a height of 24 feet from the ground. The unit will be equipped with an air stripper, after burner and metal stabilization process for air pollution control.

The SMI facility also includes some flares, owned by SMI, that are located across Route 414 at the Seneca Meadows Renewable Resource Park. The park is also the location of the Seneca Energy II, LLC (SE II) Landfill Gas-to-Energy (LFGTE) facility, which is a separately-owned and operated facility that purchases landfill gas from SMI and generates electricity from combusting the landfill gas and produces pipeline quality gas. The SE II LFGTE facility is permitted under a separate Title V permit.

The SMI facility includes the following six emission units:

- Emission Unit 1-LEACH. Leachate treatment system including three above ground storage tanks for leachate. The recent mod includes the new concentrator which includes a concentrated leachate tank, a new concentrator with 8 evaporation stacks, an energy burner, an air stripper and stabilization process.
- Emission Unit 1-LFGAS. Landfill gas from landfill areas and associated control equipment, including the flares. Total permitted flare capacity of 18,293 cfm;
- Emission Unit 1-SOILS. Soil and temporary BUD [beneficial use determination] material storage;
- Emission Unit 1-EMGEN. Back-up emergency generators;
- Emission Unit 1-CRUSH. Stone crushing plant, including 415 HP diesel motor;
- Emission Unit 1-SCREE. Stone screening operations, including a 97 HP diesel motor.

Several modifications were previously included in this Title V Permit, which were authorized by Operational Flexibility or are minor modifications. These include: emissions and control for emissions from the new on-site leachate treatment system consisting of three above ground storage tanks, sulfide controls and a new reverse osmosis (RO) system (Emission Unit 1-LEACH); emissions from a new stone crushing plant including a 415 HP diesel motor (Emission Unit 1-CRUSH) and stone screening operations including a 97 HP diesel motor (Emission Unit 1-SCREE); operation of emergency generator sets (Emission Unit 1-EMGEN); and installation of previously-permitted flares. The facility is subject to 40 CFR Part 63 Subpart ZZZZ, 40 CFR 60 Subpart IIII and Subpart JJJJ for the applicable emergency generator sets.

The total permitted landfill gas flare capacity is 18,293 cfm. There is currently 13,200 cfm of installed flare capacity that includes the following: one 2,000-cfm enclosed flare, one 3000-cfm open flare, two 4,000 cfm enclosed flares, and two 100-cfm thermal oxidizers. The remaining capacity includes a designated flare of 5,093 cfm for previously permitted capacity that can be installed in the future if necessary.

The permit also includes updates to the list of exempt and miscellaneous sources, and changes to permit conditions to reflect regulatory changes.

The previous application reviewed for this permit quantifies greenhouse gases, as required by the Tailoring Rule.

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The SMI facility is major with respect to Prevention of Significant Deterioration and New Source Review (PSD/NSR), is subject to 6NYCRR Part 227-2 NOx RACT, and includes a total facility emissions limit (enforceable emissions restriction) of less than 200 TPY for NOx and less than 500 TPY for CO. The renewed SMI Title V permit continue the SMI facility's emission levels, which meet the established facility limits described above.

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: SCOTT SHEELEY
NYSDEC - REGION 8
6274 E AVON LIMA RD
AVON, NY 14414

Authorized Signature: _____ Date: ___ / ___ / ___

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Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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

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

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- 5 5 Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS

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DEC GENERAL CONDITIONS

**** General Provisions ****

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3

Permits are transferrable with the approval of the department unless specifically prohibited by

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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.

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Condition 5: Submission of application for permit modification or renewal-REGION 8 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 8 Headquarters
Division of Environmental Permits
6274 Avon-Lima Road
Avon, NY 14414-9519
(585) 226-2466

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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Facility: SENECA MEADOWS SWMF
1786 SALCMAN RD
WATERLOO, NY 13165

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

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Permit Expiration Date: 11/20/2023

Mod 3 Permit Effective Date: 07/01/2019

Permit Expiration Date: 11/20/2023

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22	23	6 NYCRR 201-6.4 (f): Compliance Certification
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25	*3-1	6 NYCRR 201-7.1: Capping Monitoring Condition
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38	35	40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
38	36	40CFR 60.7(g), NSPS Subpart A: Notification Similar to State or Local Agency
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- 38 38 40CFR 60.8(b), NSPS Subpart A: Performance Test Methods - Waiver
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- 39 40 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 39 41 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 39 42 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 39 43 40CFR 60.9, NSPS Subpart A: Availability of information.
- 40 44 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 40 45 40CFR 60.12, NSPS Subpart A: Circumvention.
- 40 46 40CFR 60.14, NSPS Subpart A: Modifications.
- 40 47 40CFR 60.15, NSPS Subpart A: Reconstruction
- 41 48 40CFR 60, NSPS Subpart III: Applicability
- 41 49 40CFR 60, NSPS Subpart JJJ: Applicability
- 41 50 40CFR 60.670(a)(1), NSPS Subpart OOO: Applicability
- 42 51 40CFR 60.752(b)(2), NSPS Subpart WWW: Standards for
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- 43 52 40CFR 60.753(a), NSPS Subpart WWW: Operational
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- 43 53 40CFR 60.753(b), NSPS Subpart WWW: Compliance Certification
- 44 54 40CFR 60.753(c), NSPS Subpart WWW: Compliance Certification
- 45 55 40CFR 60.753(c), NSPS Subpart WWW: Compliance Certification
- 46 56 40CFR 60.753(c), NSPS Subpart WWW: Compliance Certification
- 47 57 40CFR 60.753(d), NSPS Subpart WWW: Compliance Certification
- 48 58 40CFR 60.753(e), NSPS Subpart WWW: Compliance Certification
- 49 59 40CFR 60.753(f), NSPS Subpart WWW: Compliance Certification
- 49 60 40CFR 60.753(g), NSPS Subpart WWW: Compliance Certification
- 50 61 40CFR 60.754(d), NSPS Subpart WWW: Performance Test
- 50 62 40CFR 60.755(a), NSPS Subpart WWW: Compliance
Provisions - collection system
- 51 63 40CFR 60.755(b), NSPS Subpart WWW: Compliance Provisions - wells
- 52 64 40CFR 60.755(c), NSPS Subpart WWW: Compliance
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- 53 65 40CFR 60.755(d), NSPS Subpart WWW: Compliance
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- 53 66 40CFR 60.755(e), NSPS Subpart WWW: Compliance
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- 53 67 40CFR 60.756(a), NSPS Subpart WWW: Compliance Certification
- 54 68 40CFR 60.756(b), NSPS Subpart WWW: Compliance Certification
- 55 69 40CFR 60.756(c), NSPS Subpart WWW: Compliance Certification
- 56 70 40CFR 60.756(f), NSPS Subpart WWW: Compliance Certification
- 57 71 40CFR 60.757(a), NSPS Subpart WWW: Reporting
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- 57 72 40CFR 60.757(d), NSPS Subpart WWW: Reporting
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- 57 73 40CFR 60.757(e), NSPS Subpart WWW: Reporting
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- 58 74 40CFR 60.757(g), NSPS Subpart WWW: Reporting
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- 59 75 40CFR 60.758(a), NSPS Subpart WWW: Compliance Certification
- 59 76 40CFR 60.758(b), NSPS Subpart WWW: Compliance Certification
- 61 77 40CFR 60.758(c), NSPS Subpart WWW: Compliance Certification
- 62 78 40CFR 60.758(d), NSPS Subpart WWW: Compliance Certification
- 63 79 40CFR 60.758(e), NSPS Subpart WWW: Compliance Certification

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- 63 80 40CFR 60.759(a), NSPS Subpart WWW: Specifications for active collection systems
- 65 81 40CFR 60.759(c), NSPS Subpart WWW: Specifications for active collection systems
- 65 82 40CFR 61, NESHAP Subpart M: National Emission Standard for Asbestos
- 65 83 40CFR 63.1955(b), Subpart AAAA: Compliance Certification
- 67 84 40CFR 63.1980(a), Subpart AAAA: Compliance Certification
- 68 85 40CFR 63, Subpart ZZZZ: Applicability
- 68 86 40CFR 63, Subpart ZZZZ: Engines at Area sources of HAP
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- 68 87 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 71 88 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

- EU=1-CRUSH**
- 77 89 6 NYCRR 212-1.6 (a): Compliance Certification
- 78 90 40CFR 60, NSPS Subpart OOO: Compliance Certification
- 78 91 40CFR 60.674(b), NSPS Subpart OOO: Compliance Certification

- EU=1-LEACH,Proc=EVP**
- 79 *3-6 6 NYCRR 201-7.1: Capping Monitoring Condition
- 81 *3-7 6 NYCRR 201-7.1: Capping Monitoring Condition
- 83 3-8 6 NYCRR 212-1.6 (a): Compliance Certification
- 84 3-9 6 NYCRR 212-2.1 (b): Compliance Certification
- 85 3-10 6 NYCRR Subpart 257-2: Compliance Certification

- EU=1-LEACH,Proc=EVP,ES=COEVP**
- 86 3-11 40CFR 60.752(b)(2)(iii)(B'), NSPS Subpart WWW: Compliance Certification
- 87 3-12 40CFR 60.752(b)(2)(iii)(B'), NSPS Subpart WWW: Compliance Certification
- 88 3-13 40CFR 60.752(b)(2)(iii)(B'), NSPS Subpart WWW: Compliance Certification

- EU=1-LEACH,Proc=LTS**
- 89 3-14 6 NYCRR Subpart 257-10: Compliance Certification
- 90 3-15 6 NYCRR Subpart 257-10: Compliance Certification
- 91 92 6 NYCRR Subpart 257-10: Compliance Certification
- 92 93 6 NYCRR Subpart 257-10: Compliance Certification

- EU=1-LFGAS,Proc=GAS**
- 93 94 40CFR 60.18(c), NSPS Subpart A: Flare operation requirements.
- 94 95 40CFR 60.18(d), NSPS Subpart A: Flare monitoring requirements.
- 94 96 40CFR 60.18(e), NSPS Subpart A: General Control Device Requirements - Flares
- 94 97 40CFR 60.18(f), NSPS Subpart A: Flare compliance testing.

- EU=1-LFGAS,Proc=GAS,ES=EXFLK**
- 95 98 6 NYCRR 212-1.6 (a): Compliance Certification
- 96 99 40CFR 60.752(b)(2)(iii)(B'), NSPS Subpart WWW: Compliance Certification
- 97 100 40CFR 60.752(b)(2)(iii)(B'), NSPS Subpart WWW: Compliance Certification

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98 101 40CFR 60.752(b)(2)(iii)('B'), NSPS Subpart WWW: Compliance Certification

EU=1-LFGAS,Proc=GAS,ES=FLO2K

98 102 6 NYCRR 212-1.6 (a): Compliance Certification
 100 103 40CFR 60.752(b)(2)(iii)('B'), NSPS Subpart WWW: Compliance Certification

EU=1-LFGAS,Proc=GAS,ES=FLO4K

100 104 6 NYCRR 212-1.6 (a): Compliance Certification
 101 105 40CFR 60.752(b)(2)(iii)('B'), NSPS Subpart WWW: Compliance Certification

EU=1-LFGAS,Proc=GAS,ES=PFL2K

102 106 6 NYCRR 212-1.6 (a): Compliance Certification
 103 107 40CFR 60.752(b)(2)(iii)('B'), NSPS Subpart WWW: Compliance Certification
 104 108 40CFR 60.752(b)(2)(iii)('B'), NSPS Subpart WWW: Compliance Certification
 105 109 40CFR 60.752(b)(2)(iii)('B'), NSPS Subpart WWW: Compliance Certification

EU=1-LFGAS,Proc=GAS,ES=PFL3K

106 110 6 NYCRR 212-1.6 (a): Compliance Certification

EU=1-SCREE,Proc=102,ES=EPE02

107 115 6 NYCRR 212-1.6 (a): Compliance Certification
 108 116 40CFR 60, NSPS Subpart OOO: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

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110 117 ECL 19-0301: Contaminant List
 111 118 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
 111 28 6 NYCRR 211.1: Air pollution prohibited
 112 3-16 6 NYCRR 212-2.1 (a): Compliance Demonstration

NOTE: * preceding the condition number indicates capping.

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FEDERALLY ENFORCEABLE CONDITIONS

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NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the department pursuant to the provisions of section 201- 6.6 of this Subpart.

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

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

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

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

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

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

Item K: Permit Exclusion - ECL 19-0305

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

Item L: Federally Enforceable Requirements - 40 CFR 70.6 (b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 11/21/2018 and 11/20/2023**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where

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

Condition 2: Fees
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 2.1:

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

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 3.1:

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

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

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

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 4.1:

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

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reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements,

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

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

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

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

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

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 6: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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specified in any special permit terms or conditions;
and

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

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

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

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

Chief – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 8 Headquarters
6274 East Avon-Lima Road
Avon, NY 14414-9519

The address for the BQA is as follows:

NYSDEC

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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 1/30/2019.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:6 NYCRR 202-2.1

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

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

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

Condition 8: Recordkeeping requirements
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:6 NYCRR 202-2.5

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

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

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

Condition 9: Open Fires - Prohibitions
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement: 6 NYCRR 215.2**Item 9.1:**

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

Item 9.2

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

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

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

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

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

Condition 10: Maintenance of Equipment
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

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

Condition 11: Recycling and Salvage
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 13.1:

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

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them available to representatives of the department upon request.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 14.1:

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

Condition 15: Requirement to Provide Information
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 15.1:

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

Condition 16: Right to Inspect
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 16.1:

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

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

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

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

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

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Condition 17: Off Permit Changes
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 17.1:

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

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

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

Condition 18: Required Emissions Tests
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

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

Condition 19: Accidental release provisions.
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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

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

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

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 82, Subpart F

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

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

Condition 21: Emission Unit Definition
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1(From Mod 3):
 The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 1-LEACH

Emission Unit Description:

This unit consists of (2) Feed pH Adjust Tanks (B2001 and B2002), (2) Intermediate Concentrate Tanks (B7001 & B7002), (1) Permeate Tank (B9002), (1) Permeate Storage Tank (B9003), (2) Sulfuric Acid Storage Tanks (ACID1 AND ACID2), (1) 100,000 gallon Concentrate Tank (B7003) and an Ammonia Air Stripper (STRIP). They will be located within the Former Engine Plant #2. There are also two (2) 501,825 gallon and one (1) 1.8 million gallon above ground vertical domed roof storage tanks to store leachate at the facility. The tanks are vented to prevent pressurization. Emissions are from the working and breathing losses from

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the atmospheric tank vents. Additionally, a new concentrate/leachate evaporator unit will process concentrate/leachate up to 1400 barrels per day.

Building(s): FEP2

Item 21.2(From Mod 3):

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

Emission Unit: 1-LFGAS

Emission Unit Description:

This unit consists of four landfill areas (the Existing Landfill, the A/B Expansion, Southeast Landfill, and Tantal) contributing to the generation of landfill gas (LFG) and the apparatus necessary to collect and combust the LFG which also includes leachate recirculation activities. This unit also includes the previously permitted Landfill Expansion areas.

Item 21.3(From Mod 0):

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

Emission Unit: 1-CRUSH

Emission Unit Description:

This emission unit consists of a Lippman 4248CC Closed Circuit Portable Impact Crushing Plant (or equivalent) that will be used for rock processing operations. It contains a 415 HP diesel motor. This plant is a portable unit and therefore not subject to 40 CFR 63 Subpart ZZZZ or 6NYCRR Part 227 NOx RACT.

Item 21.4(From Mod 0):

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

Emission Unit: 1-EMGEN

Emission Unit Description:

The emission unit consists of generators for emergency situations. Emission source EMGEN is subject to 40 CFR 60 Subpart IIII. Emission sources EMG02, EMG03 and EMG05 are subject to 40 CFR 63 Subpart ZZZZ. Emission source EMG04 is subject to 40 CFR 60 Subpart JJJJ.

Item 21.5(From Mod 0):

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

Emission Unit: 1-SCREE

Emission Unit Description:

This emission unit consists of a portable screening plant that will be for rock processing operations. It contains a 97 HP diesel motor. This plant is a portable unit and therefore not subject to 40 CFR 63 Subpart ZZZZ or 6NYCRR Part 227 NOx RACT.

Item 21.6(From Mod 0):

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

Emission Unit: 1-SOILS

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Emission Unit Description:

This unit consists of outdoor temporary storage piles of contaminated beneficial use materials (BUD) soils. Contaminated soils may be temporarily stockpiled on site for up to 48 hours before being used as BUD materials. Emissions include fugitive emissions of VOC components.

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 22.1:

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

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

Condition 23: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

I. Protocol Objective

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

II. Protocol

A. Criteria

1. Changes reviewed under this protocol shall be evaluated in accordance with the following criteria:
 - a. All underlying federal and state requirements with which the new or changed emission source must comply must exist in the Title V permit. Existing permit conditions may be amended to reference or include the new or changed emission source and any related information, and/or subject to DEC approval, new conditions proposed, to provide the appropriate monitoring parameters.
 - b. Any new or changed emission source shall not be part of a source project that results in a significant net emissions increase that exceeds the New Source Review (NSR) thresholds identified in 6 NYCRR Part 231.
 - c. The facility shall not use the protocol to make physical changes or changes in the method of operation of existing emissions sources that would require a new or modified federally enforceable cap either to avoid major NSR requirements or to address and comply with other Clean Air Act requirements, such as RACT. Such changes must be addressed via the significant permit modification provisions.

B. Notification Requirements for Changes Reviewed under the Protocol

1. The facility shall notify the Department in writing of the proposed change.
2. Notifications made in accordance with this protocol will include the following documentation:
 - a. Identification of the Title V permit emission unit, process(es), emission sources and emission points affected by the proposed change with applicable revisions to the Emission Unit structure;
 - b. Description of the proposed change, including operating parameters;
 - c. Identification and description of emissions control technology;
 - d. Documentation of the project's, or emission source's, compliance with respect to all state and/or federally applicable requirements, including the following steps:

- i. Calculate the emission rate potential and maximum projected actual annual emission rates for all contaminants affected by the change.
- ii. Submit documentation of major NSR program non-applicability for NYSDEC review and approval.
- iii. Identify and evaluate the applicability of all regulations likely to be triggered by the new or changed emission source.
- iv. Propose any operating and record keeping procedures necessary to ensure compliance.
- e. Any other relevant information used for the evaluation of the proposed project or emission source under the Protocol.

C. Review and Approval of Changes

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

D. Additional Compliance Obligations for Changes Made Under this Protocol

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

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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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

**Condition 24: Facility Permissible Emissions
Effective between the dates of 11/21/2018 and 11/20/2023**

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 24.1:

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:

per year	CAS No: 000630-08-0 (From Mod 3)	PTE: 999,999 pounds
	Name: CARBON MONOXIDE	
per year	CAS No: 0NY210-00-0 (From Mod 3)	PTE: 399,999 pounds
	Name: OXIDES OF NITROGEN	

**Condition 3-1: Capping Monitoring Condition
Effective between the dates of 07/01/2019 and 11/20/2023**

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 3-1.1:

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 231-8

Item 3-1.2:

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

Item 3-1.3:

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.

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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 3-1.4:

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 3-1.5:

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 3-1.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 3-1.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The sum of emissions of carbon monoxide (CO) from this facility are limited to less than 500 tons per year calculated on a rolling 12 month total. This cap limits the facility PTE to avoid applicability to PSD. The facility shall keep records of gas burned through the flares/combustion sources and use AP-42 or other confirmed emission factors to calculate the monthly emissions for the flares and other combustion sources. These records will be kept in a format acceptable to the Department. The Title V operating permit gives the landfill the authority to add flare/combustion sources capacity as needed up to 15,107 scfm of landfill gas based on updated modeling performed in January 2019.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 500 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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

Condition 3-2: Capping Monitoring Condition
Effective between the dates of 07/01/2019 and 11/20/2023

Applicable Federal Requirement: 6 NYCRR 201-7.1

Item 3-2.1:

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 231-6

Item 3-2.2:

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

Item 3-2.3:

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 3-2.4:

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 3-2.5:

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 3-2.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 3-2.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC

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Monitoring Description:

The sum of emissions of oxides of nitrogen (NO_x) from this facility are limited to less than 200 tons per year calculated on a rolling 12 month total. This cap limits the facility PTE to avoid applicability to New Source Review. The facility shall keep records of gas burned through the flares/combustion sources and use AP-42 or other confirmed emission factors to calculate the monthly emissions for the flares/combustion sources and other NO_x sources. These records will be kept in a format acceptable to the Department. The Title V operating permit gives the landfill the authority to add flare/combustion capacity as needed up to 15,107 scfm of landfill gas based on updated modeling performed in January 2019.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 200 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 3-3: Capping Monitoring Condition
Effective between the dates of 07/01/2019 and 11/20/2023

Applicable Federal Requirement:6 NYCRR 201-7.1**Item 3-3.1:**

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 231-6

6 NYCRR Subpart 231-8

Item 3-3.2:

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

Item 3-3.3:

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.

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Item 3-3.4:

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 3-3.5:

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 3-3.6:

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

Emission Unit: 1-LEACH Process: EVP	Emission Source: COEVP
Emission Unit: 1-LFGAS Process: GAS	Emission Source: EXFLK
Emission Unit: 1-LFGAS Process: GAS	Emission Source: FLO2K
Emission Unit: 1-LFGAS Process: GAS	Emission Source: FLO4K
Emission Unit: 1-LFGAS Process: GAS	Emission Source: PFL2K
Regulated Contaminant(s): CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 3-3.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility has been permitted to operate flares/combustion sources to control 6,907 scfm of collected landfill gas expected to result from the Landfill Expansion, permitted in 2007, in addition to the previously permitted flaring capability of 8200 scfm from the existing landfill, for a total of 15,107 scfm based on updated modeling performed in January 2019. Emission modeling was completed for the entire facility and showed the facility was in compliance with the National Ambient Air Quality Standards for all contaminants.

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Emissions will be calculated on a monthly basis using records of gas burned through the flares/combustion sources, AP-42 or other confirmed emission factors. On-site source testing will be performed if the facility's rolling twelve-month total of oxides of nitrogen (NO_x) or carbon monoxide (CO) exceeds 75% of the cap limit (200 tons/year NO_x, 500 tons/year CO). Within 60 days of exceeding the 75% threshold, the facility must submit a stack test protocol for the flares/combustion sources as per 40 CFR 60 Subpart A and 6NYCRR Part 202. Stack testing will be completed within six months of exceeding the 75% threshold.

Upper Permit Limit: 100 percent

Reference Test Method: EPA Method 7,7E or 19 and 40CFR 60 APP A-10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 119: Visible Emissions Limited
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement: 6 NYCRR 211.2

Item 119.1:

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 120: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement: 6 NYCRR 211.2

Item 120.1:

The Compliance Certification activity will be performed for the Facility.

Item 120.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Landfill Gas Control System (Internal Combustion Engines, Flares) must maintain continuous destruction of

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the landfill gas at all times. If at any time the flares will not be able to process the extent of landfill gas supplied due to equipment malfunctions, the following procedures will be followed. SMI will operate an auto-dialer system that will contact pre-selected personnel when a malfunction occurs. If any of the Landfill Gas Flares become inoperable, or are projected to be out-of-service, the NYSDEC will be immediately notified by telephone. Downtime occurring during off-hours will result in notification by telephone the next business day. SMI will establish procedures to provide a three phase generator, in the event that a flare outage is caused by loss of off-site power for greater than two days in duration, or operate its own emergency generator if one had been installed on site. In the event that the Engines and Flares are both inoperable, the gas collection system will be closed by controlling valves. The system will be checked daily to prevent atmospheric venting, thus limiting landfill odors until the system can be repaired. If the projected downtime is more than ten days, arrangements will be made to provide temporary "Candlestick" flares.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 121: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:6 NYCRR 211.2

Item 121.1:

The Compliance Certification activity will be performed for the Facility.

Item 121.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Seneca Meadows Inc. will abide by the Seneca Meadows Landfill Odor Complaint Management Plan, as established in the annual Town of Seneca Falls License to Construct and Operate a Landfill under Chapter 58 of the Code of Seneca Falls, NY.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 122: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:6 NYCRR 211.2

Item 122.1:

The Compliance Certification activity will be performed for the Facility.

Item 122.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Seneca Meadows Inc. shall perform an analysis of the landfill gas to be burned prior to reapplying for a Title V permit at the end of this issued permit's term. The sample shall be taken at the main landfill gas header prior to distribution to individual combustion equipment. The sample shall be analyzed for the chemical constituents listed in Section 4, Table 4-2 of the December 3, 1998 Title V permit application for the Seneca Meadows Landfill. The NYSDEC Region 8 Regional Air Pollution Control Engineer (RAPCE) or designated representative shall be notified five working days in advance of sampling. A copy of the original lab analysis for the sample taken must be maintained on site and be made available upon request of a Department representative.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 3-4: Compliance Certification
Effective between the dates of 07/01/2019 and 11/20/2023

Applicable Federal Requirement:6 NYCRR 212-2.1 (b)

Item 3-4.1:

The Compliance Certification activity will be performed for the Facility.

Item 3-4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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The facility owner or operator shall not allow emissions of an air contaminant to violate the requirements specified in Table 3- Degree of Air Cleaning Required for Criteria Air Contaminants, or Table 4- Degree of Air Cleaning Required for Non-Criteria Air Contaminants under 6NYCRR Part 212-2.3, as applicable, for the environmental rating assigned to the contaminant by the Department.

The listed non-HTAC contaminants in the application have been demonstrated to be in compliance with 6NYCRR Part 212-2.1(b) by meeting either:

- 1) the NAAQS, or
- 2) the DAR-1 guideline concentrations.

The facility owner or operator shall verify the parameters used to demonstrate compliance with Table 3 or Table 4 semi-annually. These parameters include, but are not limited to, engineering estimates, mass balances, process flows, production records, control equipment parameters, manufacturer's or published emission factors, etc. Any significant change to these parameters or any method of operation which could conceivably increase the emissions, increase the emission rate potential, decrease the air cleaning control efficiency, or be cause to alter the environmental rating of any contaminant may be considered a modification to the permit and will require a reevaluation to ensure continued compliance with Part 212.

Additionally, the facility owner or operator will investigate, in a timely manner, any instance where there is a reason to believe that there is, or has been, an emissions increase above those listed on the application, or that the Part 212 emissions standards may have been or continue to be exceeded. In such cases, the facility owner or operator shall investigate the cause, make any corrections, and verify that the potential excess emissions problem has been corrected.

In order to confirm the emissions remain consistent as those in the permit application for the facility, the owner or operator shall resample the landfill gas once per year prior to renewal of this permit. The facility shall average the results of this sample with the previous 5 year's samples in order to confirm that the concentrations of any non-HTACs in the gas sample have not significantly increased.

At all times, the facility owner or operator must operate and maintain all process emission sources, including the

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associated air pollution control and monitoring equipment, if applicable, in a manner consistent with safe, good air pollution control practices, good engineering practices and manufacturer's recommendations for minimizing emissions.

Records of observations, investigations and corrective actions will be kept on-site. A summary of these records will be included in the semi-annual compliance reports.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 3-5: Compliance Certification
Effective between the dates of 07/01/2019 and 11/20/2023

Applicable Federal Requirement: 6 NYCRR Subpart 257-10

Item 3-5.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 3-5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall not allow emissions of hydrogen sulfide to violate the ambient air quality standard for hydrogen sulfide established in 6NYCRR Part 257-10.

The applicant has demonstrated that hydrogen sulfide emissions for this facility are in compliance with the ambient air quality standard at a facility-wide emission rate of 2.77 lb/hr (including fugitive emissions).

The facility owner or operator shall verify the parameters used to demonstrate compliance with 6NYCRR Part 257-10 semi-annually. These parameters include, but are not limited to, engineering estimates, mass balances, process flows, production records, control equipment parameters, manufacturer's or published emission factors, etc. Any significant change to these parameters or any method of

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operation which could increase the emissions, increase the emission rate potential, decrease the air cleaning control efficiency, or be cause to alter the environmental rating of any contaminant may be considered a modification to the permit and will require a reevaluation to ensure continued compliance with Part 257-10.

Additionally, the facility owner or operator will investigate, in a timely manner, any instance where there is reason to believe that there is, or has been, an emission increase above those listed on the application, or that the Part 257-10 ambient air quality standard for hydrogen sulfide may have been or continues to be exceeded. In such cases, the facility owner or operator shall investigate the cause, make any corrections, and verify that the potential excess emissions problem has been corrected.

To verify emissions and show continued compliance with Part 257-10, the owner or operator shall sample the gas generated by the landfill once per year, within similar time periods each year. Prior to renewal of this permit, in order to confirm that the concentration of hydrogen sulfide in the gas sample has not significantly increased, the facility shall average the previous 5 years of gas samples to determine an average concentration of hydrogen sulfide. If the concentration has increase significantly, the facility shall perform another screen analysis or submit a new Ambient Air Dispersion Modeling Protocol.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 29: EPA Region 2 address.

Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 29.1:

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

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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 30: Modification Notification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 30.1:

Any owner or operator subject to 40 CFR Part 60 shall furnish the Administrator and this office with the following information:

- a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR Part 60. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productivity capability of the facility before and after the change, and the expected completion date of the change. The Administrator and/or this Department may request additional information regarding the change.

Condition 31: Recordkeeping requirements.
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 31.1:

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 32: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

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:

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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.

The initial report is due 1/30/2019.

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

Condition 33: Excess emissions report.
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 33.1:

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 34: Monitoring frequency waiver.
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 34.1: Notwithstanding the frequency of reporting requirements specified in paragraph (c) of this section, an owner or operator who is required by an applicable subpart to submit excess emissions and monitoring systems performance reports (and summary reports) on

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a quarterly (or more frequent) basis may reduce the frequency of reporting for that standard to semiannual if the conditions in 40 CFR 60.7(e) are met.

Condition 35: Facility files for subject sources.
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 35.1:

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 36: Notification Similar to State or Local Agency
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 36.1:

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

Condition 37: Performance testing timeline.
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 37.1:

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

Condition 38: Performance Test Methods - Waiver
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 38.1:

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

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Condition 39: Required performance test information.
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 39.1:

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

Condition 40: Prior notice.
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 40.1:

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

Condition 41: Performance testing facilities.
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 41.1:

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

- 1) sampling ports adequate for tests methods applicable to such facility;
- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

Condition 42: Number of required tests.
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 42.1:

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

Condition 43: Availability of information.
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 43.1:

The availability to the public of information provided to, or otherwise obtained by, the

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Administrator under this part shall be governed by 40 CFR Part 2.

Condition 44: Opacity standard compliance testing.
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 44.1:

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

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

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

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

Condition 45: Circumvention.
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 45.1:

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 46: Modifications.
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 46.1:

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 47: Reconstruction
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 47.1:

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 prior to the action;

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- 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 48: Applicability
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

Item 48.1:
 Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart IIII.

Condition 49: Applicability
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ

Item 49.1:
 Facilities that have stationary spark ignition internal combustion engines must comply with applicable portions of 40 CFR 60 subpart JJJJ.

Condition 50: Applicability
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60.670(a)(1), NSPS Subpart OOO

Item 50.1:
 Except as provided in paragraphs (a)(2), (b), (c), and (d) of 40 CFR 60.670, the provisions of Subpart OOO are applicable to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station. Also, crushers and grinding mills at hot mix asphalt facilities that reduce the size of nonmetallic minerals embedded in recycled asphalt pavement and subsequent affected facilities up to, but not including, the first storage silo or bin are subject to the provisions of this subpart.

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Condition 51: Standards for air emissions from MSW landfills
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 51.1:

If the calculated NMOC emission rate is equal to or greater than 50 megagrams per year, the owner or operator shall:

i) Submit a collection and control system design plan prepared by a professional engineer to the Administrator within 1 year:

A) The collection and control system as described in the plan shall meet the design requirements of paragraph (ii) below.

B) The collection and control system design plan shall include any alternatives to the operational standards, test methods, procedures, compliance measures, monitoring, recordkeeping or reporting provisions of 40 CFR Part 60.753 through 60.758 proposed by the owner or operator.

C) The collection and control system design plan shall either conform with specifications for active collection systems in 40 CFR Part 60.759 or include a demonstration to the Administrator's satisfaction of the sufficiency of the alternative provisions to 40 CFR Part 60.759.

D) The Administrator shall review the information submitted under paragraphs (i)(A), (B) and (C) above and either approve it, disapprove it, or request that additional information be submitted. Because of the many site-specific factors involved with landfill gas system design, alternative systems may be necessary. A wide variety of system designs are possible, such as vertical wells, combination horizontal and vertical collection systems, or horizontal trenches only, leachate collection components, and passive systems.

ii) Install a collection and control system that captures the gas generated within the landfill as required by paragraphs (ii)(A) or (B) and (iii) below, within 30 months after the first annual report in which the emission rate equals or exceeds 50 megagrams per year, unless Tier 2 or Tier 3 sampling demonstrates that the emission rate is less than 50 megagrams per year, as specified in 40 CFR Part 60.757(c)(1) or (2).

A) An active gas collection system shall:

1) be designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment;

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

3) collect gas at a sufficient extraction rate; and

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

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(B) A passive collection system shall:

(1) Comply with the provisions specified in paragraphs (A)(1),(2), and (4) above.

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

iii) Route all the collected gas to a control system that complies with either of the following:

A) is an open flare designed and operated in accordance with 40 CFR 60.18; or

B) is a control system designed and operated to reduce NMOC by 98% (by weight) or, when an enclosed combustion device is used for control, to either reduce NMOC by 98% weight or reduce the NMOC outlet concentration to less than 20 parts per million by volume, dry basis as hexane at 3% oxygen. The reduction efficiency or parts per million by volume shall be established by an initial performance test to be completed no later than 180 days after the initial startup of the approved control system using the test methods specified in 40 CFR Part 60.754(d).

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

(2) The control device shall be operated within the parameter ranges established during the initial or most recent performance test. The operating parameters to be monitored are specified in 40 CFR Part 60.756;

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

**Condition 52: Operational standards for collection and control systems
Effective between the dates of 11/21/2018 and 11/20/2023**

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

Item 52.1:

Each owner or operator of an MSW landfill with a gas collection and control system used to comply with the provisions of 40 CFR Part 60.752(b)(2)(ii) shall:

a) Operate the collection system such that gas is collected from each area, cell or group of cells in the MSW landfill in which solid waste has been in place for:

1) 5 years or more if active; or

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

**Condition 53: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023**

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

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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Operate the collection system with negative pressure at each wellhead except under the following conditions:

- 1) A fire or increased well temperature. The owner or operator shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports as provided in 40 CFR Part 60.757(f)(1).
- 2) Use of a geomembrane cover or an equivalent synthetic cover. The owner or operator shall develop acceptable pressure limits in the design plan.
- 3) A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows.

If monitoring demonstrates that the operational requirements are not met, corrective action shall be taken as specified in §60.755(a)(3) through (5) of Subpart WWW.

If corrective actions are taken as specified in §60.755, the monitored exceedance is not a violation of the operational requirements in this section, however the permittee shall report these episodes as deviations.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: PRESSURE

Upper Permit Limit: 0 pounds per square inch gauge

Monitoring Frequency: MONTHLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 54: Compliance Certification

Effective between the dates of 11/21/2018 and 11/20/2023

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

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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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Operate each interior wellhead in the collection system with a nitrogen level in the landfill gas less than 20%. The owner or operator may establish a higher operating nitrogen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.

If monitoring demonstrates that the operational requirements are not met, corrective action shall be taken as specified in §60.755(a)(3) through (5) of Subpart WWW.

If corrective actions are taken as specified in §60.755, the monitored exceedance is not a violation of the operational requirements in this section, however the permittee shall report these episodes as deviations.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: NITROGEN CONTENT

Upper Permit Limit: 19.9 percent

Reference Test Method: Method 3c

Monitoring Frequency: MONTHLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 55: Compliance Certification

Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 55.1:

The Compliance Certification activity will be performed for the Facility.

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC

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OPERATIONS

Monitoring Description:

Operate each interior wellhead in the collection system with an oxygen level in the landfill gas less than 5%. The owner or operator may establish a higher operating oxygen level at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.

If monitoring demonstrates that the operational requirements are not met, corrective action shall be taken as specified in §60.755(a)(3) through (5) of Subpart WWW. If corrective actions are taken as specified in §60.755, the monitored exceedance is not a violation of the operational requirements in this section, however the permittee shall report these episodes as deviations.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: OXYGEN CONTENT

Upper Permit Limit: 4.9 percent

Reference Test Method: Method 3a

Monitoring Frequency: MONTHLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 56: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 56.1:

The Compliance Certification activity will be performed for the Facility.

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Operate each interior wellhead in the collection system with a landfill gas temperature less than 55 degrees centigrade. The owner or operator may establish a higher operating temperature at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or

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significantly inhibit anaerobic decomposition by killing methanogens.

If monitoring demonstrates that the operational requirements are not met, corrective action shall be taken as specified in §60.755(a)(3) through (5) of Subpart WWW.

If corrective actions are taken as specified in §60.755, the monitored exceedance is not a violation of the operational requirements in this section, however the permittee shall report these episodes as deviations.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 54.9 degrees Centigrade (or Celsius)

Monitoring Frequency: MONTHLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 57: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 57.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000074-82-8 METHANE

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING

Monitoring Description:

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

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monitoring route and the rationale for any site-specific deviations from the 30 meter intervals. This plan shall be submitted to the Department for review and approval within 60 days of issuance of this permit. The plan shall be revised as needed for any landfill expansion. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.

If monitoring demonstrates that the operational requirements are not met, corrective action shall be taken as specified in §60.755(c) of Subpart WWW. If corrective actions are taken as specified in §60.755, the monitored exceedance is not a violation of the operational requirements in this section, however the permittee shall report these episodes as deviations.

Parameter Monitored: METHANE

Upper Permit Limit: 499 parts per million (by volume)

Monitoring Frequency: QUARTERLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 58: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 58.1:

The Compliance Certification activity will be performed for the Facility.

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operate the collection system such that all collected gases are vented to a control system designed and operated in compliance with 40 CFR Part 60.752(b)(2)(iii). In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within one hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 59: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 59.1:

The Compliance Certification activity will be performed for the Facility.

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operate the control or treatment system at all times when
the collected gas is routed to the system

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 60: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

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:

If monitoring demonstrates that the operational requirements of 40 CFR Part 60.753(b), (c) or (d) are not met, corrective action shall be taken as specified in 40 CFR Part 60.755(a)(3) through (5) or 40 CFR Part 60.755(c). If corrective actions are taken as specified in 40 CFR Part 60.755, the monitored exceedance is not a violation of the operational requirements in 40 CFR Part 60.753.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 61: Performance Test

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Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60.754(d), NSPS Subpart WWW**Item 61.1:**

For the performance test required in 40 CFR Part 60.752(b)(2)(iii)(B), Method 25, 25C or Method 18 of 40 CFR Part 60 Appendix A shall be used to determine compliance with the 98 weight-percent efficiency or the 20 ppmv outlet concentration level, unless another method to demonstrate compliance has been approved by the Administrator as provided by 40 CFR Part 60.752(b)(2)(i)(B). Method 3 or 3A shall be used to determine oxygen for correcting the NMOC concentration as hexane to 3 percent. In cases where the outlet concentration is less than 50 ppm NMOC as carbon (8 ppm NMOC as hexane), Method 25A should be used in place of Method 25. If using method 18, the minimum list of compounds to be tested shall be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42). The following equation shall be used to calculate efficiency:

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

where,

NMOC_{in} = mass of NMOC entering control deviceNMOC_{out} = mass of NMOC exiting control device

Condition 62: Compliance Provisions - collection system
 Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60.755(a), NSPS Subpart WWW**Item 62.1:**

Except as provided in 40 CFR Part 60.752(b)(2)(i)(B), the specified methods in paragraphs (1) through (6) below, shall be used to determine whether the gas collection system is in compliance with 40 CFR Part 60.752(b)(2)(ii).

1) For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with 40 CFR Part 60.752(b)(2)(ii)(A)(1), the following equation shall be used. The k and Lo kinetic factors should be those published in the most recent Compilation of Air Pollutant Emissions Factors (AP-42) or other site specific values demonstrated to be appropriate for this site and approved by the Administrator. If k has been determined as specified in 40 CFR Part 60.754(a)(4), the value of k determined from the test shall be used. The active life of the landfill is the age of the landfill plus the estimated number of years until closure.

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

$$QM = S \sum_{i=1}^n k_i L_i M_i (e^{-k_i t_i})$$

where,

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

k = methane generation rate constant, year⁻¹

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

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

ti = age of the ith section (years).

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2) For the purposes of determining sufficient density of gas collectors for compliance with 40 CFR Part 60.752(b)(2)(ii)(A)(2), the owner shall design a system of vertical wells, horizontal collectors, or other collection devices, satisfactory to the Administrator, capable of controlling and extracting gas from all portions of the landfill sufficient to meet all operational and performance standards.

3) For the purpose of demonstrating whether the gas collection system flow rate is sufficient to determine compliance with 40 CFR Part 60.752(b)(2)(ii)(A)(3), the owner or operator shall measure gauge pressure in the gas collection header at each individual well, monthly. If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under 40 CFR Part 60.753(b). If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternate timeline for correcting the exceedance may be submitted to the Administrator for approval.

4) Owners or operators are not required to expand the system as required in paragraph (3) above during the first 180 days after gas collection system startup.

5) For the purpose of identifying whether excess air infiltration into the landfill is occurring, the owner or operator shall monitor each well monthly for temperature and nitrogen or oxygen as provided in 40 CFR Part 60.753(c). If a well exceeds one of these operating parameters, action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval.

6) An owner or operator seeking to demonstrate compliance with 40 CFR Part 60.752(b)(2)(ii)(A)(4) through the use of a collection system not conforming to the specifications provided in 40 CFR Part 60.759 shall provide information satisfactory to the Administrator as specified in 40 CFR Part 60.752(b)(2)(i)(C) demonstrating that off-site migration is being controlled.

Condition 63: Compliance Provisions - wells
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 63.1:

For purposes of compliance with 40 CFR Part 60.753(a), each owner or operator of a controlled landfill shall place each well or design component as specified in the approved design plan as provided in 40 CFR Part 60.752(b)(2)(i). Each well shall be installed no later than 60 days after the date on which the initial solid waste has been in place for a period of:

- 1) 5 years or more if active; or
- 2) 2 years or more if closed or at final grade.

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Condition 64: Compliance Provisions - surface methane
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 64.1:

The following procedures shall be used for compliance with the surface methane operational standard as provided in 40 CFR Part 60.753(d).

1) After installation of the collection system, the owner or operator shall monitor surface concentrations of methane along the entire perimeter of the collection area and along a pattern that traverses the landfill at 30-meter intervals (or a site-specific established spacing) for each collection area on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR Part 60.755(d)

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

3) Surface emission monitoring shall be performed in accordance with section 8.3.1 of Method 21 of 40 CFR Part 60 Appendix A, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions.

4) Any reading of 500 parts per million or more above background at any location shall be recorded as a monitored exceedance and the actions specified in paragraphs (4)(i) through (v) below shall be taken. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements of 40 CFR Part 60.753(d).

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

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

iii) If the re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be monitored again within 10 days of the second exceedance. If the re-monitoring shows a third exceedance for the same location, the action specified in paragraph (4)(v) below shall be taken, and no further monitoring of that location is required until the action specified in paragraph (4)(v) has been taken.

iv) Any location that initially showed an exceedance but has a methane concentration less than 500 ppm methane above background at the 10-day re-monitoring specified in paragraph (4)(ii) or (iii) below shall be re-monitored 1 month from the initial exceedance. If the 1-month re-monitoring shows a concentration less than 500 parts per million above background, no further monitoring of that location is required until the next quarterly monitoring period. If the 1-month re-monitoring shows an exceedance, the actions specified in paragraph (4)(iii) or (v) shall be taken.

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

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approval.

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

**Condition 65: Compliance Provisions - instrumentation specifications
Effective between the dates of 11/21/2018 and 11/20/2023**

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

Item 65.1:

Each owner or operator seeking to comply with the provisions in 40 CFR Part 60.755(c) of this section shall comply with the following instrumentation specifications and procedures for surface emission monitoring devices:

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

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

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

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

**Condition 66: Compliance Provisions - Start-up, shutdown, or malfunction
Effective between the dates of 11/21/2018 and 11/20/2023**

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

Item 66.1:

The provisions of this subpart apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices.

**Condition 67: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023**

Applicable Federal Requirement:40CFR 60.756(a), NSPS Subpart WWW

Item 67.1:

The Compliance Certification activity will be performed for the Facility.

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

Each owner or operator seeking to comply with 40 CFR Part 60.752(b)(2)(ii)(A) for an active gas collection system shall install a sampling port and a thermometer, other temperature measuring device, or an access port for temperature measurements at each wellhead and:

- (1) Measure the gauge pressure in the gas collection header on a monthly basis as provided in 40 CFR Part 60.755(a)(3); and
- (2) Monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as provided in 40 CFR Part 60.755(a)(5); and
- (3) Monitor temperature of the landfill gas on a monthly basis as provided in 40CFR Part 60.755(a)(5).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 68: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement: 40CFR 60.756(b), NSPS Subpart WWW

Item 68.1:

The Compliance Certification activity will be performed for the Facility.

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator seeking to comply with 40 CFR Part 60.752(b)(2)(iii) using an enclosed combustor shall calibrate, maintain, and operate according to the manufacturer's specifications, the following equipment.

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

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control device. The owner or operator shall either:

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 69: Compliance Certification

Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement: 40CFR 60.756(c), NSPS Subpart WWW

Item 69.1:

The Compliance Certification activity will be performed for the Facility.

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator seeking to comply with 40 CFR Part 60.752(b)(2)(iii) using an open flare shall install, calibrate, maintain, and operate according to the manufacturer's specifications the following equipment:

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

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

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

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

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 70: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement: 40CFR 60.756(f), NSPS Subpart WWW

Item 70.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000074-82-8 METHANE

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING

Monitoring Description:

Each owner or operator seeking to demonstrate compliance with 40CFR Part 60.755(c), shall monitor surface concentrations of methane according to the instrument specifications and procedures provided in 40CFR Part 60.755(d). Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.

For safety purposes, if a section of the landfill is covered with snow and/or ice for an entire quarter, that section of the landfill does not need to be included in the surface scan required for that quarter under 40 CFR 60 Subpart WWW. The facility must return to quarterly surface monitoring in the event that conditions improve (i.e., if the snow and ice melt and the ground surface is again accessible to the monitoring instruments) during the quarterly monitoring period.

Parameter Monitored: METHANE

Upper Permit Limit: 499 parts per million (by volume)
above background measurements

Reference Test Method: EPA RM 21

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

**Condition 71: Reporting requirements - Initial design capacity
Effective between the dates of 11/21/2018 and 11/20/2023**

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

Item 71.1:

Owner or operator shall submit an initial design capacity report to the Administrator.

1) The initial design capacity report shall fulfill the requirements of the notification of the date construction is commenced as required under 40 CFR Part 60.7(a)(1) and shall be submitted no later than 90 days after the date of commenced construction.

2) The initial design capacity report shall contain the following information:

i) A map or plot of the landfill, providing the size and location of the landfill, and identifying all areas where solid waste may be landfilled according to the permit issued by NYSDEC;

ii) The maximum design capacity of the landfill. Where the maximum design capacity is specified in the permit issued by NYSDEC, a copy of the permit specifying the maximum design capacity may be submitted as part of the report. If the maximum design capacity of the landfill is not specified in the permit, the maximum design capacity shall be calculated using good engineering practices. The calculations shall be provided, along with the relevant parameters as part of the report. The State or Administrator may request other reasonable information as may be necessary to verify the maximum design capacity of the landfill.

**Condition 72: Reporting Requirements - Closure Report
Effective between the dates of 11/21/2018 and 11/20/2023**

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

Item 72.1:

Each owner or operator of a controlled landfill shall submit a closure report to the Administrator within 30 days of waste acceptance cessation. The Administrator may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of 40 CFR Part 258.60 of this title. If a closure report has been submitted to the Administrator, no additional wastes may be placed into the landfill without filing a notification of modification as described under 40 CFR Part 60.7(a)(4).

**Condition 73: Reporting Requirements - Control Equipment Removal
Effective between the dates of 11/21/2018 and 11/20/2023**

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Applicable Federal Requirement:40CFR 60.757(e), NSPS Subpart WWW**Item 73.1:**

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

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

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

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

**Condition 74: Reporting requirements - Collection and control system
Effective between the dates of 11/21/2018 and 11/20/2023****Applicable Federal Requirement:40CFR 60.757(g), NSPS Subpart WWW****Item 74.1:**

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

- 1) A diagram of the collection system showing collection system positioning including all wells, horizontal collectors, surface collectors, or other gas extraction devices, including the locations of any areas excluded from collection and the proposed sites for the future collection system expansion;
- 2) The data upon which the sufficient density of wells, horizontal collectors, surface collectors, or other gas extraction devices and the gas mover equipment sizing are based;
- 3) The documentation of the presence of asbestos or nondegradable material for each area from which collection wells have been excluded based on the presence of asbestos or nondegradable material;
- 4) The sum of the gas generation flow rates for all areas from which collection wells have been excluded based on nonproductivity and the calculations of gas generation flow rate for each excluded area; and
- 5) The provisions for increasing gas mover equipment capacity with increased gas generation flow rate, if the present gas mover equipment is inadequate to move the maximum flow rate expected over the life of the landfill; and
- 6) The provisions for the control of off-site migration.

Condition 75: Compliance Certification

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Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60.758(a), NSPS Subpart WWW**Item 75.1:**

The Compliance Certification activity will be performed for the Facility.

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as provided in 40 CFR Part 60.752(b)(2)(i)(B), each owner or operator of an MSW landfill subject to the provisions of 40 CFR Part 60.752(b) shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity report which triggered 40 CFR Part 60.752(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 76: Compliance Certification**Effective between the dates of 11/21/2018 and 11/20/2023****Applicable Federal Requirement:40CFR 60.758(b), NSPS Subpart WWW****Item 76.1:**

The Compliance Certification activity will be performed for the Facility.

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as provided in 40 CFR Part 60.752(b)(2)(i)(B), each owner or operator of a controlled landfill shall keep up-to-date, readily accessible records for the life of the control equipment of the data listed in paragraphs (1) through (4) below as measured during the initial performance test or compliance determination. Records of subsequent tests or monitoring shall be maintained for a minimum of 5 years. Records of the control device vendor specifications shall be maintained until removal.

1) Where an owner or operator seeks to demonstrate compliance with 40 CFR Part 60.752(b)(2)(ii):

i) The maximum expected gas generation flow rate as calculated in 40 CFR Part 60.755(a)(1). The owner or operator may use another method to determine the maximum gas generation flow rate, if the method has been approved by the Administrator.

ii) The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 40 CFR Part 60.759(a)(1).

2) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with 40 CFR Part 60.752(b)(2)(iii) through use of an enclosed combustion device other than a boiler or process heater with a design heat input capacity greater than 44 megawatts:

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

ii) The percent reduction of NMOC determined as specified in 40 CFR Part 60.752(b)(2)(iii)(B) achieved by the control device.

3) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with 40 CFR Part 60.752(b)(2)(iii)(B)(1) through use of a boiler or process heater of any size: a description of the location at which the collected gas vent stream is introduced into the boiler or process heater over the same time period of the performance testing.

4) Where an owner or operator seeks to demonstrate compliance with 40 CFR Part 60.752(b)(2)(iii)(A) through use of an open flare, the flare type (i.e., steam-assisted, air-assisted, or nonassisted), all visible emission readings, heat content determination, flow rate or bypass flow rate measurements, and exit velocity determinations made during the performance test as specified in 40 CFR Part 60.18; continuous records of the flare pilot flame or flare flame monitoring and records of all periods of operations during which the pilot flame of the flare flame is absent.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 77: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 77.1:

The Compliance Certification activity will be performed for the Facility.

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as provided in 40 CFR Part 60.752(b)(2)(i)(B), each owner or operator of a controlled landfill shall keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in 40 CFR Part 60.756 as well as up-to-date, readily accessible records for periods of operation during which the parameter boundaries established during the most recent performance test are exceeded.

1) The following constitute exceedances that shall be recorded and reported under 40 CFR Part 60.757(f):

i) For enclosed combustors except for boilers and process heaters with design heat input capacity of 44 megawatts (150 million British thermal unit per hour) or greater, all 3-hour periods of operation during which the average combustion temperature was more than 28 degrees C below the average combustion temperature during the most recent performance test at which compliance with 40 CFR Part 60.752(b)(2)(iii) was determined.

ii) For boilers or process heaters, whenever there is a change in the location at which the vent stream is introduced into the flame zone as required under paragraph 40 CFR Part 60.758(b)(3)(i) of this section.

2) Each owner or operator shall keep up-to-date, readily accessible continuous records of the

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indication of flow to the control device or the indication of bypass flow or records of monthly inspections of car-seals or lock-and-key configurations used to seal bypass lines, specified under 40 CFR Part 60.756.

3) Each owner or operator subject to the provisions of this subpart who uses a boiler or process heater with a design heat input capacity of 44 megawatts or greater to comply with 40 CFR Part 60.752(b)(2)(iii) shall keep an up-to-date, readily accessible record of all periods of operation of the boiler or process heater. (Examples of such records could include records of steam use, fuel use, or monitoring data collected pursuant to other State, local, Tribal, or Federal regulatory requirements.)

4) Each owner or operator seeking to comply by use of an open flare shall keep up-to-date, readily accessible continuous records of the flame or flare pilot flame monitoring specified under 40 CFR Part 60.756(c), and up-to-date, readily accessible records of all periods of operation in which the flame or flare pilot flame is absent.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 78: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 78.1:

The Compliance Certification activity will be performed for the Facility.

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as provided in 40 CFR Part 60.752(b)(2)(i)(B), each owner or operator shall keep for the life of the collection system an up-to-date, readily accessible plot map showing each existing and planned collector in the system and providing a unique identification location label for each collector.

1) Each owner or operator shall keep up-to-date, readily

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accessible records of the installation date and location of all newly installed collectors as specified under 40 CFR Part 60.755(b).

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 79: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 79.1:

The Compliance Certification activity will be performed for the Facility.

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as provided in 40 CFR Part 60.752(b)(2)(i)(B), each owner or operator shall keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in 40 CFR Part 60.753, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 80: Specifications for active collection systems
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 80.1:

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

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

2) The sufficient density of gas collection devices determined in paragraph (1) above shall address landfill gas migration issues and augmentation of the collection system through the use of active or passive systems at the landfill perimeter or exterior.

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

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

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

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

where,

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

k = methane generation rate constant, year⁻¹

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

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

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

CNMOC = concentration of nonmethane organic compounds, parts per million

by volume

3.6×10^{-9} = conversion factor

iii) The values for k and CNMOC determined in field testing shall be used, if field testing has been performed in determining the NMOC emission rate or the radii of influence (the distance from the well center to a point in the landfill where the pressure gradient applied by the blower or compressor approaches zero). If field testing has not been performed, the default values for k , L_o and CNMOC provided in 40 CFR Part 60.754(a)(1) or the alternative

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values from 40 CFR Part 60.754(a)(5) shall be used. The mass of nondegradable solid waste contained within the given section may be subtracted from the total mass of the section when estimating emissions provided the nature, location, age, and amount of the nondegradable material is documented as provided in paragraph (3)(i) above.

Condition 81: Specifications for active collection systems
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 81.1:

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

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

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

Condition 82: National Emission Standard for Asbestos
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 61, NESHAP Subpart M

Item 82.1:

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

Condition 83: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 83.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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specified in table 1 of Subpart AAAA.

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

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

- During periods of startup, shutdown, and malfunction, the facility must operate and maintain the affected source in accordance with the procedures specified in the SSM plan.
- When actions taken by the owner/operator during a startup, shutdown, or malfunction are consistent with the procedures specified in the affected source's SSM plan, the owner/operator must keep records for that event which demonstrate that the procedures specified in the plan were followed. In addition, the owner/operator must keep records of these events as specified in §63.10(b), including records of operation and each malfunction of the air pollution control and monitoring equipment. Furthermore, the owner/operator shall confirm that actions taken during the startup, shutdown, and malfunction were consistent with the SSM plan in the semiannual report as required in §63.10(d)(5).
- If an action taken by the facility is not consistent with the SSM plan, and the affected source exceeds the relevant emission standard, then the owner/operator must record the actions taken for that event and must report such actions within 2 working days after commencing actions inconsistent with the SSM plan, followed by a letter within 7 working days after the end of the event.
- EPA or NYSDEC may at any time request in writing that the facility submit a copy of the SSM plan (or a portion thereof) which is maintained at the affected source. Upon receipt of such a request, the facility must promptly submit a copy of the requested plan to EPA or NYSDEC. EPA or NYSDEC must request that the facility submit a SSM plan whenever a member of the public submits a specific and

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reasonable request to examine or to receive a copy of that plan or portion of a plan. If the facility claims that any portion of such a SSM plan is confidential business information entitled to protection from disclosure under section 114(c) of the Act or 40CFR2.301, the material which is claimed as confidential must be clearly designated in the submission.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 84: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 63.1980(a), Subpart AAAA

Item 84.1:

The Compliance Certification activity will be performed for the Facility.

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator of a landfill seeking to comply with 40 CFR Part 60.752(b)(2) using an active collection system designed in accordance with 40 CFR Part 60.752(b)(2)(ii) shall submit to the Administrator semiannual reports of the recorded information in paragraphs (1) through (6) below. The initial semiannual report shall be submitted within 180 days of installation and start-up of the collection and control system, and shall include the initial performance test report required under 40 CFR Part 60.8. For enclosed combustion devices and flares, reportable exceedances are defined under 40 CFR Part 60.758(c).

(1) Value and length of time for exceedance of applicable parameters monitored under 40 CFR Part 60.756(a), (b), (c), and (d).

(2) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under 40 CFR Part 60.756.

(3) Description and duration of all periods when the control device was not operating for a period exceeding 1

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hour and length of time the control device was not operating.

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

(5) The location of each exceedance of the 500 parts per million methane concentration as provided in 40 CFR Part 60.753(d) and the concentration recorded at each location for which an exceedance was recorded in the previous month.

(6) The date of installation and the location of each well or collection system expansion added pursuant to paragraphs 40 CFR Part 60.755(a)(3), (b), and (c)(4).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 85: Applicability
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 85.1:

Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 subpart ZZZZ.

Condition 86: Engines at Area sources of HAP
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 86.1:

Internal combustion engines, constructed or re-constructed on or after June 12, 2006, that meet the requirements of 40 CFR 60 Subpart IIII or Subpart JJJJ meet the requirements of 40 CFR 63 Subpart ZZZZ.

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

Condition 87: Emission Point Definition By Emission Unit
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 87.1(From Mod 3):

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

Emission Unit: 1-LEACH

Emission Point: AST01

Height (ft.): 34 Diameter (in.): 600
 NYTMN (km.): 4754.7 NYTME (km.): 349.2

Emission Point: AST02

Height (ft.): 34 Diameter (in.): 600
 NYTMN (km.): 4754.7 NYTME (km.): 349.2

Emission Point: AST03

Height (ft.): 55 Diameter (in.): 24
 NYTMN (km.): 4754.7 NYTME (km.): 349.2

Emission Point: CONC1

Height (ft.): 30 Diameter (in.): 6
 NYTMN (km.): 4754.7 NYTME (km.): 349.2 Building: FEP2

Emission Point: CONC2

Height (ft.): 30 Diameter (in.): 6
 NYTMN (km.): 4754.7 NYTME (km.): 349.2 Building: FEP2

Emission Point: CONC3

Height (ft.): 30 Diameter (in.): 6
 NYTMN (km.): 4754.7 NYTME (km.): 349.2 Building: FEP2

Emission Point: EVP01

Height (ft.): 24 Diameter (in.): 30
 NYTMN (km.): 4753.9 NYTME (km.): 349.2

Emission Point: EVP02

Height (ft.): 24 Diameter (in.): 30
 NYTMN (km.): 4753.9 NYTME (km.): 349.2

Emission Point: EVP03

Height (ft.): 24 Diameter (in.): 30
 NYTMN (km.): 4753.9 NYTME (km.): 349.2

Emission Point: EVP04

Height (ft.): 24 Diameter (in.): 30
 NYTMN (km.): 4753.9 NYTME (km.): 349.2

Emission Point: EVP05

Height (ft.): 24 Diameter (in.): 30
 NYTMN (km.): 4753.9 NYTME (km.): 349.2

Emission Point: EVP06

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Height (ft.): 24 NYTMN (km.): 4753.9	Diameter (in.): 30 NYTME (km.): 349.2	
Emission Point: EVP07 Height (ft.): 24 NYTMN (km.): 4753.9	Diameter (in.): 30 NYTME (km.): 349.2	
Emission Point: EVP08 Height (ft.): 24 NYTMN (km.): 4753.9	Diameter (in.): 30 NYTME (km.): 349.2	
Emission Point: FEED1 Height (ft.): 30 NYTMN (km.): 4754.7	Diameter (in.): 6 NYTME (km.): 349.2	Building: FEP2
Emission Point: FEED2 Height (ft.): 30 NYTMN (km.): 4754.7	Diameter (in.): 6 NYTME (km.): 349.2	Building: FEP2
Emission Point: NH3ST Height (ft.): 30 NYTMN (km.): 4754.7	Diameter (in.): 6 NYTME (km.): 349.2	Building: FEP2
Emission Point: PERM1 Height (ft.): 30 NYTMN (km.): 4754.7	Diameter (in.): 6 NYTME (km.): 349.2	Building: FEP2
Emission Point: STOR1 Height (ft.): 30 NYTMN (km.): 4754.7	Diameter (in.): 6 NYTME (km.): 349.2	Building: FEP2
Emission Point: SULF1 Height (ft.): 30 NYTMN (km.): 4754.7	Diameter (in.): 6 NYTME (km.): 349.2	Building: FEP2
Emission Point: SULF2 Height (ft.): 30 NYTMN (km.): 4754.7	Diameter (in.): 6 NYTME (km.): 349.2	Building: FEP2

Item 87.2(From Mod 3):

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

Emission Unit: 1-LFGAS	
Emission Point: 00LF1 Height (ft.): 38 NYTMN (km.): 4754.722	Diameter (in.): 108 NYTME (km.): 349.23
Emission Point: 00LF2 Height (ft.): 50 NYTMN (km.): 4754.7	Diameter (in.): 138 NYTME (km.): 349.2

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Emission Point: 00LF3
 Height (ft.): 40 Diameter (in.): 156
 NYTMN (km.): 4754.7 NYTME (km.): 349.2

Emission Point: 00LF6
 Height (ft.): 42 Diameter (in.): 12
 NYTMN (km.): 4753.7 NYTME (km.): 350.3

Emission Point: 00LF7
 Height (ft.): 38 Diameter (in.): 108
 NYTMN (km.): 4754.7 NYTME (km.): 349.2

Item 87.3(From Mod 0):

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

Emission Unit: 1-EMGEN

Emission Point: EMG02
 Height (ft.): 4 Diameter (in.): 2
 NYTMN (km.): 4754.7 NYTME (km.): 349.2

Emission Point: EMG03
 Height (ft.): 6 Diameter (in.): 3
 NYTMN (km.): 4754.7 NYTME (km.): 349.2

Emission Point: EMG04
 Height (ft.): 2 Diameter (in.): 3
 NYTMN (km.): 4754.7 NYTME (km.): 349.2

Emission Point: EMG05
 Height (ft.): 9 Diameter (in.): 2
 NYTMN (km.): 4754.7 NYTME (km.): 349.2

Emission Point: EMGEN
 Height (ft.): 11 Diameter (in.): 8
 NYTMN (km.): 4754.7 NYTME (km.): 349.2

Condition 88: Process Definition By Emission Unit
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 88.1(From Mod 3):

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

Emission Unit: 1-LEACH
 Process: EVP Source Classification Code: 4-03-010-99
 Process Description:
 Two 501,825 gallon and one 1.8 million gallon aboveground storage tanks will be used to store leachate at the facility. The tanks are vented to prevent pressurization. Emissions are from the working and breathing losses from

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the atmospheric tank vents. A new concentrate evaporator unit will process up to 1400 barrels per day of concentrate/leachate. Only leachate/concentrate that has been properly stripped will be evaporated.

Emission Source/Control: COEVP - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: CSTRP - Process
Design Capacity: 21.462 million gallons

Emission Source/Control: TANK1 - Process
Design Capacity: 501,825 gallons

Emission Source/Control: TANK2 - Process
Design Capacity: 501,825 gallons

Emission Source/Control: TANK3 - Process
Design Capacity: 1.8 million gallons

Item 88.2(From Mod 3):

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

Emission Unit: 1-LEACH
Process: LTS Source Classification Code: 5-03-007-02
Process Description:

This process consists of a Leachate Treatment System that will be used to remove ammonia from the landfill leachate generated by Seneca Meadows Landfill.

Emission Source/Control: STRIP - Control
Control Type: AMMONIA SCRUBBING

Emission Source/Control: ACID1 - Process
Design Capacity: 5,250 gallons

Emission Source/Control: ACID2 - Process
Design Capacity: 5,250 gallons

Emission Source/Control: B2001 - Process
Design Capacity: 4,100 gallons

Emission Source/Control: B2002 - Process
Design Capacity: 4,100 gallons

Emission Source/Control: B7001 - Process
Design Capacity: 3,000 gallons

Emission Source/Control: B7002 - Process
Design Capacity: 3,000 gallons

Emission Source/Control: B7003 - Process

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Design Capacity: 100,000 gallons

Emission Source/Control: B9002 - Process

Design Capacity: 2,100 gallons

Emission Source/Control: B9003 - Process

Design Capacity: 2,000 gallons

Item 88.3(From Mod 3):

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

Emission Unit: 1-LFGAS

Process: FUG

Source Classification Code: 5-02-006-02

Process Description:

Fugitive LFG emissions (beyond the collection efficiency of the gas collection systems) from the four existing landfill areas as well as from the Landfill Expansion areas.

Emission Source/Control: EXSLF - Process

Design Capacity: 3,763.13 million cubic feet per year

Emission Source/Control: LEXP1 - Process

Design Capacity: 8,236.15 million cubic feet per year

Emission Source/Control: PABLF - Process

Design Capacity: 1,590.27 million cubic feet per year

Emission Source/Control: PSELF - Process

Design Capacity: 3,289.92 million cubic feet per year

Emission Source/Control: TANLF - Process

Design Capacity: 57.26 million cubic feet per year

Item 88.4(From Mod 3):

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

Emission Unit: 1-LFGAS

Process: GAS

Source Classification Code: 5-02-006-01

Process Description:

The four landfill areas and the Landfill Expansion areas will generate landfill gas (LFG). The LFG will be collected and combusted by one 2000-cfm enclosed flare (FLO2K), two 4000-cfm enclosed flares (FLO4K and PFL2K) and one 3000-cfm open flare (PFL3K); All enclosed flares are currently permitted and the open flare was approved for installation. Additional flare capacity is under emission source EXFLK (1327 scfm). Total flare/combustion capacity will not exceed 15,107 scfm. A portion of the collected gas is utilized in the concentrate evaporator (750 scfm) under Emission Unit 1-LEACH. A portion of the collected LFG will be provided to Seneca Energy, Inc. a

separately owned, operated and permitted facility with a separate Title V operating permit. SMI will not combust excess gas that will cause facility emissions to exceed the limits for NOx and CO established by this permit. Any additional LFG will be sold for off-site utilization or destruction. Control capacity (flares and/or other combustion devices) above what currently exists will be added as required by monitoring the existing LFG collection system. Initial stack test results (per NSPS) will be used to update permit emission estimates as necessary. The flares (FLO4K, FLO2K, PFL2K) and other flare/combustion sources (EXFLK), all fired by LFG and will be retained for use if needed) are located on the west side of State Route 414 in the industrial park that is also the location for Seneca Energy. The open flare (PFL3K) is located on the east side of State Route 414.

Landfill gas collected from the Tantalio landfill is not subject to the New Source Performance Standards for Municipal Solid Waste Landfills (40CFR60 Subpart WWW) since it is a remediation project currently under Consent Order with the NYS Department of Environmental Conservation and and it is a nonproductive area of the landfill that contributes less than 1 percent of the total amount of NMOC emissions from the landfill.

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

Emission Source/Control: FLO2K - Control
Control Type: FLARING

Emission Source/Control: FLO4K - Control
Control Type: FLARING

Emission Source/Control: PFL2K - Control
Control Type: FLARING

Emission Source/Control: PFL3K - Control
Control Type: FLARING

Emission Source/Control: EXSLF - Process
Design Capacity: 3,763.13 million cubic feet per year

Emission Source/Control: LEXP1 - Process
Design Capacity: 8,236.15 million cubic feet per year

Emission Source/Control: PABLF - Process
Design Capacity: 1,590.27 million cubic feet per year

Emission Source/Control: PSELF - Process

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Design Capacity: 3,289.92 million cubic feet per year

Emission Source/Control: TANLF - Process

Design Capacity: 57.26 million cubic feet per year

Item 88.5(From Mod 0):

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

Emission Unit: 1-CRUSH

Process: 101

Source Classification Code: 3-05-025-10

Process Description:

The Lippman 4248CC Closed Circuit Portable Impact Crushing Plant is a completely self-contained and transportable crushing plant.

Emission Source/Control: EPE01 - Process

Design Capacity: 250 tons per hour

Item 88.6(From Mod 0):

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

Emission Unit: 1-CRUSH

Process: 201

Source Classification Code: 3-05-025-10

Process Description:

The Lippman 4248CC Closed Circuit Portable Impact Crushing Plant is powered by a 415HP Caterpillar C-13 DITA Industrial Engine. Rated at 415HP @ 2100 RPM. Tier 3. Includes: flywheel housing, air compressor, jacket water heater.

Emission Source/Control: COM01 - Combustion

Design Capacity: 415 horsepower (mechanical)

Item 88.7(From Mod 0):

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

Emission Unit: 1-EMGEN

Process: EMG

Source Classification Code: 2-01-002-02

Process Description:

Process EMG represents emissions from the emission sources EMG01, EMG02, EMG03, EMG04, and EMG05. These generators do not operate above the exempt limit of 500 hours per year. However, these sources have been placed within the Emission Unit 1-EMGEN due to 40 CFR 60 Subpart III, 40 CFR 63 Subpart ZZZZ and 40 CFR Subpart JJJ applicability. These emission sources are not applicable to 6NYCRR Part 227 NOx RACT. Emission Source EMG01 is subject to Subpart III. Emission Sources EMG02, EMG03, and EMG05 are subject to Subpart ZZZZ. Emission Source EMG04 is subject to Subpart JJJ. NYSDEC does not have delegation of these federal rules.

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Emission Source/Control: EMG01 - Combustion
 Design Capacity: 689 horsepower (electric)

Emission Source/Control: EMG02 - Combustion
 Design Capacity: 101 horsepower (electric)

Emission Source/Control: EMG03 - Combustion
 Design Capacity: 134 horsepower (electric)

Emission Source/Control: EMG04 - Combustion
 Design Capacity: 40 horsepower (electric)

Emission Source/Control: EMG05 - Combustion
 Design Capacity: 20 horsepower (electric)

Item 88.8(From Mod 0):

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

Emission Unit: 1-SCREE
 Process: 102 Source Classification Code: 3-05-020-14
 Process Description:
 Entrainment of particles-Powerscreen Powergrid Screening Plant.

Emission Source/Control: EPE02 - Process
 Design Capacity: 600 tons per hour

Item 88.9(From Mod 0):

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

Emission Unit: 1-SCREE
 Process: 202 Source Classification Code: 2-03-001-07
 Process Description:
 The Powerscreen Powergrid Screening Plant is powered by a 97 HP Deutz BF4L2011 Engine.

Emission Source/Control: COM02 - Combustion
 Design Capacity: 97 horsepower (mechanical)

Item 88.10(From Mod 0):

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

Emission Unit: 1-SOILS
 Process: FG1 Source Classification Code: 5-03-008-20
 Process Description:
 Contaminated soils may be temporarily stockpiled on site for up to 48 hours before being used as BUD materials. Emissions include fugitive emissions of VOC components.

Emission Source/Control: PILE1 - Process

Condition 89: Compliance Certification

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Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)**Item 89.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CRUSH

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. 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 immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212-1.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

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

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

Monitoring Frequency: WHEN THE SOURCE IS OPERATING

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 90: Compliance Certification

Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60, NSPS Subpart OOO

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CRUSH

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility has a portable rock crushing plant to provide materials for on-site construction. The rock crushing plant will be limiting the total hours of operation to 1,750 hours/year. It is anticipated that there will be no more than 350,000 tons of rock processed.

Hours of operation will be tracked using a log book kept at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 91: Compliance Certification

Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60.674(b), NSPS Subpart OOO

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CRUSH

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

The owner/operator of any affected facility which began construction or modification on or after April 22, 2008, that uses wet suppression to control dust from any affected sources must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system.

The owner/operator must initiate corrective action within 24 hours and complete the corrective action as expeditiously as practical if the owner/operator finds that water is not flowing properly during an inspection of the water spray nozzles.

The owner/operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under §60.676(b).

If the facility ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than the water sprays during the monthly inspections (for example, water from recent rainfall), the logbook entry required under §60.676(b) must specify the control mechanism being used instead of the water sprays.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

**Condition 3-6: Capping Monitoring Condition
Effective between the dates of 07/01/2019 and 11/20/2023****Applicable Federal Requirement:6 NYCRR 201-7.1****Item 3-6.1:**

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 231-6

Item 3-6.2:

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

Item 3-6.3:

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.

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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 3-6.4:

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 3-6.5:

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 3-6.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LEACH
Process: EVP

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

Item 3-6.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility had previously been permitted to process up to 18,293 scfm of landfill gas. Emission modeling based on facility specific factors of 16,974 scfm landfill gas generation (approximately 15,107 scfm landfill gas being collected) was completed for the entire facility and showed the facility emissions are in compliance with the National Ambient Air Quality Standards for all contaminants.

Source testing will be performed for this process in order to confirm the emission factors used in the model for Oxides of Nitrogen.

1) Emissions testing will be performed with the Concentrate/Leachate Evaporator being fueled by landfill gas, and concentrate running through the evaporator. NMOC destruction of landfill gas fuel is addressed in separate conditions.

2) One stack from each of two vessels will be

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tested.

3) Within 180 days of commencing operation of the Concentrate/Leachate Evaporator, an initial compliance test must be conducted to confirm the emission factors used in the model. The flame strength of the Evaporator shall be recorded during the testing as well as a pH range for the unit. Based on stack test results, the flame strength will be established as well as the pH range for monitoring on a daily basis. The permit will be updated once these parameters are established or upon renewal of the permit.

4) A testing protocol shall be submitted for approval at least 30 days before the scheduled test.

5) A test report shall be submitted within 60-days of testing.

Upper Permit Limit: 1.14 pounds per hour

Reference Test Method: EPA Method 7, 7E or 19 and 40 CFR 60 APP A-10

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 3-7: Capping Monitoring Condition
Effective between the dates of 07/01/2019 and 11/20/2023

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 3-7.1:

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 231-8

Item 3-7.2:

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

Item 3-7.3:

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.

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Item 3-7.4:

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 3-7.5:

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 3-7.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LEACH
Process: EVP

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

Item 3-7.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility had previously been permitted to process up to 18,293 scfm of landfill gas. Emission modeling based on facility specific factors of 16,974 scfm landfill gas generation (approximately 15,107 scfm landfill gas being collected) was completed for the entire facility and showed the facility emissions are in compliance with the National Ambient Air Quality Standards for all contaminants.

Source testing will be performed for this process in order to confirm the emission factors used in the model for Carbon Monoxide.

1) Emissions testing will be performed with the Concentrate/Leachate Evaporator being fueled by landfill gas, and concentrate running through the evaporator. NMOC destruction of landfill gas fuel is addressed in separate conditions.

2) One stack from each of two vessels will be tested.

3) Within 180 days of commencing operation of the

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Facility DEC ID: 8453200023

Concentrate/Leachate Evaporator, an initial compliance test must be conducted to confirm the emission factors used in the model. The Evaporator flame strength shall be recorded during the testing as well as a pH range for the unit. Based on stack test results, the flame strength will be established as well as the pH range for monitoring on a daily basis. The permit will be updated once these parameters are established or upon renewal of the permit.

4) A testing protocol shall be submitted for approval at least 30 days before the scheduled test.

5) A test report shall be submitted within 60-days of testing.

Upper Permit Limit: 4.68 pounds per hour
 Reference Test Method: Reference Method 10
 Monitoring Frequency: SINGLE OCCURRENCE
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2020.
 Subsequent reports are due every 6 calendar month(s).

Condition 3-8: Compliance Certification
Effective between the dates of 07/01/2019 and 11/20/2023

Applicable Federal Requirement:6 NYCRR 212-1.6 (a)

Item 3-8.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LEACH
 Process: EVP

Item 3-8.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. 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

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this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212-1.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

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

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

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

Condition 3-9: Compliance Certification
Effective between the dates of 07/01/2019 and 11/20/2023

Applicable Federal Requirement: 6 NYCRR 212-2.1 (b)

Item 3-9.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LEACH
Process: EVP

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 3-9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

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Emissions of Ammonia for this facility have been demonstrated to be in compliance with 6NYCRR Part 212-2.1(b) by meeting DAR-1 guideline concentrations. Emissions testing will be performed with the Concentrate/Leachate Evaporator being fueled by landfill gas, and concentrate running through the evaporator.

- 1) One stack from each of the two vessels will be tested.
- 2) Within 180 days of commencing operation of the Concentrate/Leachate Evaporator, an initial compliance test must be conducted to demonstrate compliance with the DAR-1 guideline concentrations for ammonia. The flame strength of the burner (Emission Source COEVP) shall be recorded during the testing as well as the pH range.
- 3) A test protocol shall be submitted for approval at least 30 days prior to the scheduled test.
- 4) A final test report shall be submitted within 60 days of the test.

This test will be performed at least one year prior to permit renewal thereafter.

Upper Permit Limit: 3.08 pounds per hour
 Reference Test Method: Conditional Test Method O27 or ASTM D6348
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2020.
 Subsequent reports are due every 6 calendar month(s).

Condition 3-10: Compliance Certification
Effective between the dates of 07/01/2019 and 11/20/2023

Applicable Federal Requirement: 6 NYCRR Subpart 257-2

Item 3-10.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LEACH
 Process: EVP

Regulated Contaminant(s):
 CAS No: 007446-09-5 SULFUR DIOXIDE

Permit ID: 8-4532-00023/00041

Facility DEC ID: 8453200023

Item 3-10.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions from the facility shall not exceed the Sulfur Dioxide Air Quality Standards set forth in 6NYCRR Part 257-2.3. Emissions testing will be performed with the Concentrate/Leachate Evaporator being fueled by landfill gas and with concentrate running through the evaporator in order to confirm the emission factors/rates for this source in the Air Dispersion Modeling performed.

- 1) One stack from each of the two vessels will be tested.
- 2) Within 180 days of commencing operation of the Concentrate/Leachate Evaporator, an initial compliance test must be conducted to demonstrate compliance with the Sulfur Dioxide Air Quality Standards. The flare strength of the burner (Emission Source COEVP) shall be recorded during the testing as well as the pH range for the unit.
- 3) A test protocol shall be submitted for approval at least 30 days prior to the scheduled test.
- 4) A final test report shall be submitted within 60 days of the test.

Upper Permit Limit: 2.59 pounds per hour
 Reference Test Method: EPA RM 6C or ASTM D6348
 Monitoring Frequency: SINGLE OCCURRENCE
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2020.
 Subsequent reports are due every 6 calendar month(s).

Condition 3-11: Compliance Certification
 Effective between the dates of 07/01/2019 and 11/20/2023

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

Permit ID: 8-4532-00023/00041

Facility DEC ID: 8453200023

Item 3-11.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LEACH

Process: EVP

Emission Source: COEVP

Regulated Contaminant(s):

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

Item 3-11.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of the landfill shall test the control device within 180 days of startup to verify that the outlet concentration of NMOC from this device is less than 20 parts per million (dry, as hexane, at 3% oxygen), or the owner or operator of the landfill shall test the emissions from the control device to determine that the device is reducing the emission of NMOC by 98% (by weight). Refer to 40CFR60.754(d) for the specified test methods.

Parameter Monitored: NMOC - LANDFILL USE ONLY

Upper Permit Limit: 20 parts per million by volume (dry, corrected to 3% oxygen)

Reference Test Method: RM 18, 25, 25A, 25C

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 3-12: Compliance Certification

Effective between the dates of 07/01/2019 and 11/20/2023

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

Item 3-12.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LEACH

Process: EVP

Emission Source: COEVP

Item 3-12.2:

Compliance Certification shall include the following monitoring:

Permit ID: 8-4532-00023/00041

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An alternative method pre-approved by the Department under 40 CFR 60.756(d) is being used to monitor correct operation of the burner while the burner is in operation and utilizing landfill gas as its fuel. The burner flame strength of COEVP will be determined by the stack test required by this permit. This burner shall not operate such that the burner flame strength in the stack at any time will operate below the level established during the approved stack test. An alarm will sound and flow to the burner will be shut down if the burner strength hits this set-point. Exceedances of this permit limit are established under the condition for 40CFR60.758(c) and will consist of the burn flame strength being below the limit established by the stack test and landfill gas being used while at that lower strength level. The SSM plan will be modified to incorporate this process source and the approved operating limit. SSM events shall be recorded as per 40 CFR 63 Subpart AAAA.

The flame strength will be recorded continuously and records will be maintained on site. Instances of the burner strength being out of range of the established permit limit will be recorded and submitted to the Department semiannually.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 3-13: Compliance Certification
Effective between the dates of 07/01/2019 and 11/20/2023

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

Item 3-13.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LEACH

Process: EVP

Emission Source: COEVP

Regulated Contaminant(s):

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

Item 3-13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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Facility DEC ID: 8453200023

Monitoring Description:

The owner or operator of the landfill shall test the control device within 180 days of startup to verify that the outlet concentration of NMOC from this device is less than 20 parts per million (dry, as hexane, at 3% oxygen), or the owner or operator of the landfill shall test the emissions from the control device to determine that the device is reducing the emission of NMOC by 98% (by weight). Refer to 40CFR60.754(d) for the specified test methods.

Parameter Monitored: NMOC - LANDFILL USE ONLY

Upper Permit Limit: 98 percent reduction by weight

Reference Test Method: RM 18, 25, 25A, 25C

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 3-14: Compliance Certification
Effective between the dates of 07/01/2019 and 11/20/2023

Applicable Federal Requirement:6 NYCRR Subpart 257-10

Item 3-14.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LEACH

Process: LTS

Regulated Contaminant(s):

CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 3-14.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to ensure proper operation of the leachate treatment system (LTS) and to remain in compliance with the ambient air quality standard for hydrogen sulfide established in 6NYCRR Part 257-10, the facility shall operate the system as follows:

An analyzer will continuously record the hydrogen sulfide concentration at the outlet of the second Purafil chamber of the LTS dry scrubber system. The LTS will continue to

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be operated as long as the concentration at the outlet of the second chamber is less than 20 ppm. Should monitoring of the outlet of the second bed meet or exceed 22 ppm, the leachate treatment operations will be shut down and the media replaced as necessary.

The facility shall maintain a log recording when the media is changed out and record the instances where the reading exceeded 20 ppm.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 20 parts per million (by volume)

Monitoring Frequency: FOUR TIMES PER HOUR

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 3-15: Compliance Certification
Effective between the dates of 07/01/2019 and 11/20/2023

Applicable Federal Requirement:6 NYCRR Subpart 257-10

Item 3-15.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LEACH

Process: LTS

Regulated Contaminant(s):

CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 3-15.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to ensure proper operation of the leachate treatment system (LTS) and to remain in compliance with the ambient air quality standard for hydrogen sulfide established in 6NYCRR Part 257-10, the facility shall operate the system as follows:

SMI will use Draeger tubes or a VRAE instrument (or similar) to monitor concentration of hydrogen sulfide between the first and second chambers of the Purafil system on a daily basis. SMI will maintain media on site in storage sufficient to be able to replace spent media.

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Once hydrogen sulfide breakthrough is detected between the first and second chambers (inlet and outlet concentration of the first chamber is the same), SMI will make arrangements to change out the media in the first chamber.

The control device can continue to operate and adequately control emissions using only the second chamber. This change-out can occur numerous times before the second chamber is saturated.

SMI will maintain a log of daily readings and any instances of when breakthrough occurs. SMI will also note time/date when the media is replaced due to breakthrough.

Parameter Monitored: DEGREE OF AIR CLEANING

Lower Permit Limit: 100 parts per million (by volume)

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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

Condition 92: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement: 6 NYCRR Subpart 257-10

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LEACH

Process: LTS

Regulated Contaminant(s):

CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 92.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to ensure proper operation of the leachate treatment system (LTS) and to remain in compliance with the ambient air quality standard for hydrogen sulfide established in 6NYCRR Part 257-10, the facility shall operate the system as follows:

SMI will use Draeger tubes or a VRAE instrument (or similar) to monitor concentration of hydrogen sulfide between the first and second chambers of the Purafil

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system on a daily basis. SMI will maintain media on site in storage sufficient to be able to replace spent media. Once hydrogen sulfide breakthrough is detected between the first and second chambers (inlet and outlet concentration of the first chamber is the same), SMI will make arrangements to change out the media in the first chamber. The control device can continue to operate and adequately control emissions using only the second chamber. This change-out can occur numerous times before the second chamber is saturated.

SMI will maintain a log of daily readings and any instances of when breakthrough occurs. SMI will also note time/date when the media is replaced due to breakthrough.

Parameter Monitored: DEGREE OF AIR CLEANING
Lower Permit Limit: 100 parts per million (by volume)
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 93: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:6 NYCRR Subpart 257-10

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LEACH
Process: LTS

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

Item 93.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to ensure proper operation of the leachate treatment system (LTS) and to remain in compliance with the ambient air quality standard for hydrogen sulfide established in 6NYCRR Part 257-10, the facility shall operate the system as follows:

An analyzer will continuously record the hydrogen sulfide

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concentration at the outlet of the second Purafil chamber of the LTS dry scrubber system. The LTS will continue to be operated as long as the concentration at the outlet of the second chamber is less than 20 ppm. Should monitoring of the outlet of the second bed meet or exceed 22 ppm, the leachate treatment operations will be shut down and the media replaced as necessary.

The facility shall maintain a log recording when the media is changed out and record the instances where the reading exceeded 20 ppm.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 20 parts per million (by volume)

Monitoring Frequency: FOUR TIMES PER HOUR

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 94: Flare operation requirements.
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 94.1:

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

Item 94.2:

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.

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Condition 95: Flare monitoring requirements.
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 95.1:

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

Item 95.2:

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 96: General Control Device Requirements - Flares
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 96.1:

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

Item 96.2:

Flares used to comply with the provisions of 40 CFR Part 60 Subpart A shall be operated whenever landfill gas is vented to them.

Condition 97: Flare compliance testing.
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 97.1:

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

Item 97.2: 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.

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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).

Condition 98: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGAS

Process: GAS

Emission Source: EXFLK

Item 98.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. 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 immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources)

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and in compliance with section 212-1.6(a) are detected , the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

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

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

Monitoring Frequency: DAILY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2019.
 Subsequent reports are due every 6 calendar month(s).

**Condition 99: Compliance Certification
 Effective between the dates of 11/21/2018 and 11/20/2023**

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

Item 99.1:
 The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGAS	
Process: GAS	Emission Source: EXFLK

Item 99.2:
 Compliance Certification shall include the following monitoring:

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

Monitoring Description:
 The average combustion temperature for EXFLK will be determined by the stack test required by this permit. This flare shall not operate such that the temperature in the stack for any three hour block average is more than 28 degrees Celsius below the average combustion temperature determined during the approved stack test. Exceedances of this permit limit are established under the condition for 40CFR 60.758(c).

Parameter Monitored: TEMPERATURE

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Lower Permit Limit: 28 degrees C below the approved performance test combustion temperature

Monitoring Frequency: FOUR TIMES PER HOUR

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 100: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGAS

Process: GAS

Emission Source: EXFLK

Regulated Contaminant(s):

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

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of the landfill shall test the control device once during the term of this permit if it becomes operational during the term of this permit to verify that the outlet concentration of NMOC from the device is less than 20 parts per million (dry, as hexane, at 3% oxygen), or the owner or operator of the landfill shall test the emissions from the control device to determine that the device is reducing the emission of NMOC by 98% (by weight). Refer to 40CFR60.754(d) for the specified test methods.

Parameter Monitored: NMOC - LANDFILL USE ONLY

Upper Permit Limit: 98 percent reduction by weight

Reference Test Method: RM 18, 25, 25A, 25C

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

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Condition 101: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

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

Emission Unit: 1-LFGAS
 Process: GAS Emission Source: EXFLK

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

Item 101.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
 Monitoring Description:

The owner or operator of the landfill shall test the control device once during the term of this permit if it becomes operational during the term of this permit to verify that the outlet concentration of NMOC from the device is less than 20 parts per million (dry, as hexane, at 3% oxygen), or the owner or operator of the landfill shall test the emissions from the control device to determine that the device is reducing the emission of NMOC by 98% (by weight). Refer to 40CFR60.754(d) for the specified test methods.

Parameter Monitored: NMOC - LANDFILL USE ONLY
 Upper Permit Limit: 20 parts per million by volume (dry, corrected to 3% oxygen)
 Reference Test Method: RM 18, 25, 25A, 25C
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2019.
 Subsequent reports are due every 6 calendar month(s).

Condition 102: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)

Item 102.1:
 The Compliance Certification activity will be performed for:

Permit ID: 8-4532-00023/00041

Facility DEC ID: 8453200023

Emission Unit: 1-LFGAS

Process: GAS

Emission Source: FLO2K

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. 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 immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212-1.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

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

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

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

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Facility DEC ID: 8453200023

Condition 103: Compliance Certification

Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement: 40CFR 60.752(b)(2)(iii)('B'), NSPS Subpart WWW**Item 103.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGAS

Process: GAS

Emission Source: FLO2K

Item 103.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The 2000 cfm flare shall be operated within 28 degrees C of the average combustion temperature established during the most recent performance test. The most recent test conducted in February 2009 established compliance with the 20 ppm NMOC as hexane limit at a temperature of 1549 degrees F. Exceedances of this permit limit are established under the condition for 40CFR 60.758(c).

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1499 degrees Fahrenheit

Monitoring Frequency: FOUR TIMES PER HOUR

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 104: Compliance Certification

Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)**Item 104.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGAS

Process: GAS

Emission Source: FLO4K

Item 104.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an

Permit ID: 8-4532-00023/00041

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average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. 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 immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212-1.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

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

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

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 105: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 105.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGAS

Permit ID: 8-4532-00023/00041

Facility DEC ID: 8453200023

Process: GAS

Emission Source: FLO4K

Item 105.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The 4000 cfm flare shall be operated within 28 degrees C of the average combustion temperature established during the most recent performance test. The most recent test conducted in February 2009 established compliance with the 20 ppm NMOC as hexane limit at a temperature of 1502 degrees F. Exceedances of this permit limit are established under the condition for 40CFR 60.758(c).

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1452 degrees Fahrenheit

Monitoring Frequency: FOUR TIMES PER HOUR

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 106: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023**Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)****Item 106.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGAS

Process: GAS

Emission Source: PFL2K

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. 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

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below while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212-1.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

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

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

Monitoring Frequency: DAILY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2019.
 Subsequent reports are due every 6 calendar month(s).

Condition 107: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 107.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGAS
 Process: GAS

Emission Source: PFL2K

Item 107.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The average combustion temperature for PFL2K will be

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determined by the stack test required by this permit.
 This flare shall not operate such that the temperature in
 the stack for any three hour block average is more than 28
 degrees Celsius below the average combustion temperature
 determined during the approved stack test. Exceedances
 of this permit limit are established under the condition
 for 40CFR 60.758(c).

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 28 degrees C below the approved
 performance test combustion
 temperature

Monitoring Frequency: FOUR TIMES PER HOUR

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

Condition 108: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

Item 108.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGAS

Process: GAS

Emission Source: PFL2K

Regulated Contaminant(s):

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

Item 108.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of the landfill shall test the
 control device once during the term of this permit if it
 becomes operational during the term of this permit to
 verify that the outlet concentration of NMOC from the
 device is less than 20 parts per million (dry, as hexane,
 at 3% oxygen), or the owner or operator of the landfill
 shall test the emissions from the control device to
 determine that the device is reducing the emission of NMOC
 by 98% (by weight). Refer to 40CFR60.754(d) for the
 specified test methods.

Parameter Monitored: NMOC - LANDFILL USE ONLY

Upper Permit Limit: 98 percent reduction by weight

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Facility DEC ID: 8453200023

Reference Test Method: RM 18, 25, 25A, 25C
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2019.
 Subsequent reports are due every 6 calendar month(s).

Condition 109: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

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

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

Emission Unit: 1-LFGAS
 Process: GAS Emission Source: PFL2K
 Regulated Contaminant(s):
 CAS No: 0NY998-20-0 NMOC - LANDFILL USE ONLY

Item 109.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
 Monitoring Description:
 The owner or operator of the landfill shall test the control device once during the term of this permit if it becomes operational during the term of this permit to verify that the outlet concentration of NMOC from the device is less than 20 parts per million (dry, as hexane, at 3% oxygen), or the owner or operator of the landfill shall test the emissions from the control device to determine that the device is reducing the emission of NMOC by 98% (by weight). Refer to 40CFR60.754(d) for the specified test methods.

Parameter Monitored: NMOC - LANDFILL USE ONLY
 Upper Permit Limit: 20 parts per million by volume (dry, corrected to 3% oxygen)
 Reference Test Method: RM 18, 25, 25A, 25C
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2019.

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Facility DEC ID: 8453200023

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

Condition 110: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)

Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LFGAS

Process: GAS

Emission Source: PFL3K

Item 110.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. 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 immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212-1.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

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

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress report and annual compliance certifications required of

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all permittees subject to Title V must include a summary of these instances.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 115: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)

Item 115.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-SCREE

Process: 102

Emission Source: EPE02

Item 115.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. 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 immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212-1.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal and in compliance continue to be present after corrections are

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made, the permittee will immediately notify The Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

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

Monitoring Frequency: WHEN THE SOURCE IS OPERATING
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2019.
 Subsequent reports are due every 6 calendar month(s).

Condition 116: Compliance Certification
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable Federal Requirement:40CFR 60, NSPS Subpart OOO

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-SCREE

Process: 102

Emission Source: EPE02

Item 116.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility has a portable rock screening plant to provide materials for on-site construction. The rock screening plant will be limiting the total hours of operation to 1,750 hours/year. It is anticipated that there will be no more than 350,000 tons of rock processed. Hours of operation will be tracked using a log book kept at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2019.

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

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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 117: Contaminant List

Effective between the dates of 11/21/2018 and 11/20/2023

Applicable State Requirement: ECL 19-0301

Item 117.1:

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: 007446-09-5
Name: SULFUR DIOXIDE

CAS No: 007664-41-7
Name: AMMONIA

CAS No: 007783-06-4
Name: HYDROGEN SULFIDE

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

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

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

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

Condition 118: Malfunctions and start-up/shutdown activities
Effective between the dates of 11/21/2018 and 11/20/2023

Applicable State Requirement: 6 NYCRR 201-1.4

Item 118.1:

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

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

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

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

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

Condition 28: Air pollution prohibited
Effective between the dates of 11/21/2018 and 11/20/2023

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Applicable State Requirement:6 NYCRR 211.1**Item 28.1:**

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 3-16: Compliance Demonstration
Effective between the dates of 07/01/2019 and 11/20/2023****Applicable State Requirement:6 NYCRR 212-2.1 (a)****Item 3-16.1:**

The Compliance Demonstration activity will be performed for the Facility.

Item 3-16.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall not allow emissions of an air contaminant to violate the requirements specified in Table 4- Degree of Air Cleaning Required for Non-Criteria Air Contaminants under 6NYCRR Part 212-2.3, as applicable, for the environmental rating assigned to the contaminant by the Department.

The listed HTAC contaminants annual emissions from applicable sources in the permit application have been demonstrated to be less than the mass emission limits listed in 6NYCRR Part 212-2.2 Table 2.

Any proposed increase in any individual HTAC that would result in emissions greater than the values listed in 6NYCRR Part 212-2.2 Table 2 shall require a permit modification prior to implementation of such increase.

The facility owner or operator shall verify the parameters used to demonstrate compliance with 6NYCRR Part 212 semi-annually. These parameters include, but are limited to engineering emission estimates, mass balances, process flows, production records, control equipment parameters, manufacturer's published emission factors, etc. Any significant change to these parameters or any method of operation which could increase the emissions, increase the

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emission rate potential, decrease the air cleaning control efficiency, or be cause to alter the environmental rating may be considered a modification to the permit and will require a reevaluation to ensure continued compliance with Part 212.

Additionally, the facility owner or operator will investigate, in a timely manner, any instance where there is reason to believe that there is, or has been, an emission increase above those that are listed on the application, or that Part 212 emission standards have been or continue to be exceeded. In such cases, the facility owner or operator shall investigate the cause, make any corrections, and verify that the potential excess emissions problem has been corrected.

In order to confirm the emissions remain consistent as those in the application for the facility, the owner or operator shall resample the landfill gas once per year prior to renewal of this permit. The facility shall average the results of this sample with the previous 5 year's samples in order to confirm that the concentrations of any HTACs in the gas sample have not significantly increased.

At all times, the facility owner or operator must operate and maintain all process emission sources, including the associated air pollution control and monitoring equipment, if applicable, in a manner consistent with safe, good air pollution control practices, good engineering practices and manufacturer's recommendations for minimizing emissions.

Records of observations, investigations and corrective actions will be kept on-site. A summary of these records will be included in the semi-annual compliance monitoring reports.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2020.

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