



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 7-0501-00042/00004
Mod 0 Effective Date: 09/27/2013 Expiration Date: 09/26/2018
Mod 1 Effective Date: 07/20/2015 Expiration Date: 09/26/2018

Permit Issued To: CITY OF AUBURN
MEM CITY HALL
24 SOUTH ST
AUBURN, NY 13021

Contact: CITY OF AUBURN
MEM CITY HALL
24 SOUTH ST
AUBURN, NY 13021
(315) 255-4146

Facility: AUBURN SANITARY LANDFILL NO 2
311 N DIVISION ST
AUBURN, NY 13021

Description:

This permit modification incorporates the landfill gas to energy facility and its requirements into the existing Title V permit for the Auburn Landfill.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: DAVID BIMBER
615 ERIE BLVD WEST
SYRACUSE, NY 13204-2400

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:

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



the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 7 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 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: CITY OF AUBURN
MEM CITY HALL
24 SOUTH ST
AUBURN, NY 13021

Facility: AUBURN SANITARY LANDFILL NO 2
311 N DIVISION ST
AUBURN, NY 13021

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES
4952 - SEWERAGE SYSTEMS
4953 - REFUSE SYSTEMS

Mod 0 Permit Effective Date: 09/27/2013

Permit Expiration Date: 09/26/2018

Mod 1 Permit Effective Date: 07/20/2015

Permit Expiration Date: 09/26/2018



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance
Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and
Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected
Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 23 6 NYCRR 201-6.4 (g): Non Applicable requirements
- 1-1 6 NYCRR Subpart 202-1: Compliance Certification
- 24 6 NYCRR 211.1: Air pollution prohibited
- 25 6 NYCRR 212.4 (c): Compliance Certification
- 26 6 NYCRR 212.5 (e): Sources meeting Federal requirements, satisfy
Part 212 compliance for regulated contaminant
- 27 6 NYCRR 212.6 (a): Compliance Certification
- 28 6 NYCRR 212.6 (a): Compliance Certification
- 1-2 6 NYCRR 227-1.3 (a): Compliance Certification
- 1-3 6 NYCRR 227-1.3 (a): Compliance Certification
- 29 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 30 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 31 40CFR 60.8(b), NSPS Subpart A: Performance Test Methods - Waiver
- 32 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 33 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 34 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 35 40CFR 60.9, NSPS Subpart A: Availability of information.
- 36 40CFR 60.11(d), NSPS Subpart A: Compliance with Standards and
Maintenance Requirements
- 37 40CFR 60.12, NSPS Subpart A: Circumvention.
- 38 40CFR 60.752(b)(1), NSPS Subpart WWW: Standards for air emissions



from MSW landfills

- 39 40CFR 60.754(a)(1), NSPS Subpart WWW: Calculation of Non-Methane Organic Carbon (NMOC) Emissions
- 40 40CFR 60.754(a)(2), NSPS Subpart WWW: NMOC Calculation - Tier 1
- 41 40CFR 60.754(a)(3), NSPS Subpart WWW: NMOC Calculation - Tier 2
- 42 40CFR 60.754(a)(5), NSPS Subpart WWW: NMOC Calculation - Alternative Methods
- 43 40CFR 60.757(a), NSPS Subpart WWW: Reporting requirements - Initial design capacity
- 44 40CFR 60.757(b), NSPS Subpart WWW: Reporting requirements - NMOC emission rate
- 45 40CFR 60.757(c), NSPS Subpart WWW: Reporting Requirements - Collection and Control System Design Plan
- Emission Unit Level**
- 46 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 47 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=1-COMBU

- 1-4 40CFR 60.7, NSPS Subpart A: Compliance Certification
- 1-5 40CFR 60.8, NSPS Subpart A: Compliance Certification
- 1-6 40CFR 60, NSPS Subpart JJJJ: Compliance Certification
- 1-7 40CFR 60, NSPS Subpart JJJJ: Compliance Certification
- 1-8 40CFR 60, NSPS Subpart JJJJ: Compliance Certification
- 1-9 40CFR 60, NSPS Subpart JJJJ: Compliance Certification
- 1-10 40CFR 60, NSPS Subpart JJJJ: Compliance Certification
- 1-11 40CFR 60, NSPS Subpart JJJJ: Compliance Certification
- 1-13 40CFR 60.4244, NSPS Subpart JJJJ: Test methods and procedures
- 1-12 40CFR 63, Subpart ZZZZ: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 48 ECL 19-0301: Contaminant List
- 49 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 50 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 51 6 NYCRR 211.2: Visible Emissions Limited
- 52 6 NYCRR 212.4: Compliance Demonstration
- 53 6 NYCRR 217-3.2: Idling of Diesel Trucks Limited
- 54 6 NYCRR 217-3.3: Exceptions



FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

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

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

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

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



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

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

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

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

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

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

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

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

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

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

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

Item L: Permit Exclusion - ECL 19-0305

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



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 09/27/2013 and 09/26/2018**

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

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

**Condition 2: Fees
Effective between the dates of 09/27/2013 and 09/26/2018**

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 09/27/2013 and 09/26/2018**

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 09/27/2013 and 09/26/2018**

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

Item 4.1:

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

**Condition 5: Compliance Certification
Effective between the dates of 09/27/2013 and 09/26/2018**

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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



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

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

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill

New York State Department of Environmental Conservation

Permit ID: 7-0501-00042/00004

Facility DEC ID: 7050100042



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

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

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

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies 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). 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 1/30/2014.

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



Condition 6: Compliance Certification
Effective between the dates of 09/27/2013 and 09/26/2018

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

New York State Department of Environmental Conservation

Permit ID: 7-0501-00042/00004

Facility DEC ID: 7050100042



iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies 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). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

NYSDEC Region 7 Headquarters
615 Erie Boulevard, West
Syracuse, NY 13204-2400

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 09/27/2013 and 09/26/2018

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,

New York State Department of Environmental Conservation

Permit ID: 7-0501-00042/00004

Facility DEC ID: 7050100042



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 09/27/2013 and 09/26/2018

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 09/27/2013 and 09/26/2018

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.



- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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

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

**Condition 10: Maintenance of Equipment
Effective between the dates of 09/27/2013 and 09/26/2018**

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 09/27/2013 and 09/26/2018**

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 09/27/2013 and 09/26/2018

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 09/27/2013 and 09/26/2018

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility

Effective between the dates of 09/27/2013 and 09/26/2018

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 09/27/2013 and 09/26/2018

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.

New York State Department of Environmental Conservation

Permit ID: 7-0501-00042/00004

Facility DEC ID: 7050100042



Condition 16: Right to Inspect

Effective between the dates of 09/27/2013 and 09/26/2018

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

Item 16.1:

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

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

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

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

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

Condition 17: Off Permit Changes

Effective between the dates of 09/27/2013 and 09/26/2018

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 09/27/2013 and 09/26/2018



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 09/27/2013 and 09/26/2018**

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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

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

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

**Condition 20: Recycling and Emissions Reduction
Effective between the dates of 09/27/2013 and 09/26/2018**

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 09/27/2013 and 09/26/2018

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1(From Mod 1):

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

Emission Unit: 1-COMBU

Emission Unit Description:

This emission unit consists of two identical 1 megawatt (MW) generators (Model JMS 320-GS-BL), which operate primarily on bio-gases generated from the adjacent landfill. The engines are also capable of operating on natural gas as a supplement to the landfill gas or on natural gas alone if needed. In the event that the generators are not operated, such as during periods of maintenance activities, a valve in the landfill pipe is closed and the landfill gases will be flared.

Building(s): GEN

Item 21.2(From Mod 0):

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

Emission Unit: 1-LFGAS

Emission Unit Description:

This unit consists of landfilled waste generating landfill gas by anaerobic decomposition. The emission unit will consist of one (1) large flare and three (3) portable candlestick flares as defined emission points. Landfill gas will also be released as a fugitive emission, if it bypasses the landfill gas collection system.

Item 21.3(From Mod 0):

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

Emission Unit: 3-WWTMT

Emission Unit Description:

This emission unit consists of emissions from the treatment of municipal wastewater at the city's Water Pollution Control Plant. The unit includes defined emission points and sources with fugitive emissions. The plant has a design capacity of 10.5 MGD.

Building(s): SHB

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 09/27/2013 and 09/26/2018

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: Non Applicable requirements
Effective between the dates of 09/27/2013 and 09/26/2018

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

Item 23.1:

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

40 CFR 60.18 (c)

Reason: The provisions of 40 CFR 60 Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills, that apply to the design, installation, operation, monitoring, record keeping, reporting and compliance certification of a landfill gas collection and control system do not apply to this facility at this time. Such provisions will apply to this facility when the calculated non-methane organic compound (NMOC) emission rate equals or exceeds 50 megagrams per year. The NMOC emission rate is calculated annually per the requirements of 40 CFR 60.752(b)(1) that are contained as a condition of this permit.

The owner or operator must conduct Tier 2 NMOC emission testing to develop a site specific NMOC concentration and recalculate uncontrolled NMOC emissions to verify that NMOC emissions are less than 50 megagrams per year.

40 CFR 60.18 (d)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.18 (e)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.18 (f)

Reason: Same reason as described above for 40 CFR 60-A.18(c).



40 CFR 60.752 (b) (2)

Reason: The provisions of 40 CFR 60 Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills, that apply to the design, installation, operation, monitoring, record keeping, reporting and compliance certification of a landfill gas collection and control system do not apply to this facility at this time. Such provisions will apply to this facility when the calculated non-methane organic compound (NMOC) emission rate equals or exceeds 50 megagrams per year. The NMOC emission rate is calculated annually per the requirements of 40 CFR 60.752(b)(1) that are contained as a condition of this permit.

The owner or operator must conduct Tier 2 NMOC emission testing to develop a site specific NMOC concentration and recalculate uncontrolled NMOC emissions to verify that NMOC emissions are less than 50 megagrams per year.

40 CFR 60.753 (a)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.753 (b)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.753 (c)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.753 (d)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.753 (e)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.753 (f)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.753 (g)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.754 (b)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.754 (d)



Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.755 (a)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.755 (b)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.755 (c)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.755 (d)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.755 (e)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.756 (a)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.756 (b)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.756 (c)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.756 (d)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.756 (e)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.756 (f)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.757 (d)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.757 (e)



Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.757 (f)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.757 (g)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.758 (b)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.758 (c)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.758 (d)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.758 (e)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.759 (a)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.759 (b)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 60.759 (c)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 63.6 (e) (3)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 63.1955 (b)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

40 CFR 63.1980 (a)

Reason: Same reason as described above for 40 CFR 60-A.18(c).

New York State Department of Environmental Conservation

Permit ID: 7-0501-00042/00004

Facility DEC ID: 7050100042



Condition 1-1: Compliance Certification
Effective between the dates of 07/20/2015 and 09/26/2018

Applicable Federal Requirement:6 NYCRR Subpart 202-1

Item 1-1.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-1.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and operator shall sample and analyze the landfill gas for heating value, concentration of methane, non-methane organic compounds (NMOC) and total sulfur.

Landfill gas sampling and analysis shall be conducted during the initial emission compliance test, and annually thereafter. Sampling and analysis shall be conducted using methods and procedures acceptable to the Department. Sampling shall be conducted after the landfill gas treatment system.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 24: Air pollution prohibited
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable Federal Requirement:6 NYCRR 211.1

Item 24.1:

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 25: Compliance Certification
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 25.1:

New York State Department of Environmental Conservation

Permit ID: 7-0501-00042/00004

Facility DEC ID: 7050100042



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

Emission Unit: 1-LFGAS

Emission Unit: 3-WWTMT

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates from process 001, landfill gas flaring, and process 004, waste water treatment plant emission sources are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Performance of the monitoring, record keeping, and reporting requirements contained in the permit condition for the opacity standard codified at 6 NYCRR Part 212.6(a), will constitute compliance with the particulate emission limit contained above unless an approved emissions test determines non-compliance.

The Department reserves the right, pursuant to 6 NYCRR Part 202, Emissions Verification, to perform or require the performance of a particulate emissions test following an approved emission test protocol at any time the processes and/or emission sources are in service at the facility.

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA RM 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 26: Sources meeting Federal requirements, satisfy Part 212 compliance for regulated contaminant Effective between the dates of 09/27/2013 and 09/26/2018

Applicable Federal Requirement: 6 NYCRR 212.5 (e)

Item 26.1:

A process emission source, subject to the Federal new source performance standards in 40 CFR

New York State Department of Environmental Conservation

Permit ID: 7-0501-00042/00004

Facility DEC ID: 7050100042



Part 60, the national emission standards for hazardous air pollutants in 40 CFR part 61, or to the polychlorinated biphenyl disposal criteria in 40 CFR Part 761 satisfies the requirements of this Part for the contaminant regulated by the Federal standard if the source owner can demonstrate that the source is in compliance with the respective Federal regulation.

Condition 27: Compliance Certification
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 27.1:

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

Emission Unit: 1-LFGAS Process: 001	Emission Source: F0001
Emission Unit: 1-LFGAS Process: 001	Emission Source: F0002
Emission Unit: 1-LFGAS Process: 001	Emission Source: F0003
Emission Unit: 1-LFGAS Process: 001	Emission Source: F0004

Item 27.2:

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 212.6(a) are detected, the permittee shall determine the cause, make

New York State Department of Environmental Conservation

Permit ID: 7-0501-00042/00004

Facility DEC ID: 7050100042



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 shall notify The Department as soon as practical, but in no event later than two business days after conducting the observation.

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: WEEKLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 28: Compliance Certification

Effective between the dates of 09/27/2013 and 09/26/2018

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 28.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-LFGAS

Emission Unit: 3-WWTMT

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA RM 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-2: Compliance Certification
Effective between the dates of 07/20/2015 and 09/26/2018

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

Item 1-2.1:

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

Emission Unit: 1-COMBU	Emission Point: 10001
Emission Unit: 1-COMBU	Emission Point: 10003

Item 1-2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The permittee will conduct observations of visible emissions from the emission unit and process 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) and in compliance with section 227-1.3(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 shall notify The Department as soon as practical, but in no event later than two business days after conducting the observation.

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

New York State Department of Environmental Conservation

Permit ID: 7-0501-00042/00004

Facility DEC ID: 7050100042



Monitoring Frequency: WEEKLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 1-3: Compliance Certification
Effective between the dates of 07/20/2015 and 09/26/2018

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

Item 1-3.1:

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

Emission Unit: 1-COMBU	Emission Point: 10001
Emission Unit: 1-COMBU	Emission Point: 10003

Item 1-3.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Reference Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 29: EPA Region 2 address.
Effective between the dates of 09/27/2013 and 09/26/2018

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:

New York State Department of Environmental Conservation

Permit ID: 7-0501-00042/00004

Facility DEC ID: 7050100042



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

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

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

**Condition 30: Facility files for subject sources.
Effective between the dates of 09/27/2013 and 09/26/2018**

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

Item 30.1:

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 31: Performance Test Methods - Waiver
Effective between the dates of 09/27/2013 and 09/26/2018**

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

Item 31.1:

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.

**Condition 32: Required performance test information.
Effective between the dates of 09/27/2013 and 09/26/2018**

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

Item 32.1:

New York State Department of Environmental Conservation

Permit ID: 7-0501-00042/00004

Facility DEC ID: 7050100042



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 33: Prior notice.
Effective between the dates of 09/27/2013 and 09/26/2018

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

Item 33.1:

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

Condition 34: Performance testing facilities.
Effective between the dates of 09/27/2013 and 09/26/2018

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

Item 34.1:

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 35: Availability of information.
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 35.1:

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

Condition 36: Compliance with Standards and Maintenance Requirements
Effective between the dates of 09/27/2013 and 09/26/2018

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

Item 36.1:

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

Condition 37: Circumvention.



Effective between the dates of 09/27/2013 and 09/26/2018

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 37.1:

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 38: Standards for air emissions from MSW landfills
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable Federal Requirement:40CFR 60.752(b)(1), NSPS Subpart

WWW

Item 38.1:

Owner or operator of a municipal solid waste (MSW) landfill having a design capacity equal to or greater than 2.5 million megagrams and 2.5 million cubic meters, shall either comply with 40 CFR Part 60.752(b)(2) or calculate a non-methane organic compound (NMOC) emission rate for the landfill using the procedures specified in 40 CFR Part 60.754. The NMOC emission rate shall be recalculated annually, except as provided in 40 CFR Part 60.757(b)(1)(ii).

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

i) Submit an annual emission report to the Administrator, except as provided for in 40 CFR Part 60.757(b)(1)(ii); and

ii) Recalculate the NMOC emission rate annually using the procedures specified in 40 CFR Part 60.754(a)(1) until such time as the calculated NMOC emission rate is equal to or greater than 50 megagrams per year. If upon recalculation the NMOC emission rate is equal to or greater than 50 megagrams per year, the owner or operator shall install a collection and control system in compliance with 40 CFR Part 60.752(b)(2).

Condition 39: Calculation of Non-Methane Organic Carbon (NMOC) Emissions
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable Federal Requirement:40CFR 60.754(a)(1), NSPS Subpart

WWW

Item 39.1:

The landfill owner or operator shall calculate the NMOC emission rate using the equation provided below. The values to be used in the equation are 0.05 per year for k, 170 cubic meters per megagram for Lo and 4,000 parts per million by volume as hexane for CNMOC.

i) The following equation shall be used:

$$MNOC = S 2kLoMi(e-kti)(CNMOC)(3.6x10^{-9})$$



where,
 MNMOC = Total NMOC emission rate from the landfill,
 megagrams per year
 k = methane generation rate constant, year⁻¹
 Lo = methane generation potential, cubic meters per megagram
 solid waste
 Mi = mass of solid waste in the ith section, megagrams
 ti = age of the ith section, years
 CNMOC = concentration of NMOC, parts per million by volume as
 hexane
 3.6 x 10⁻⁹ = conversion factor.

The mass of the nondegradable waste may be subtracted from the total mass of solid waste in a particular section of the landfill when calculating the value for Mi if the documentation provisions of 40 CFR Part 60.758(d)(2) are followed.

Condition 40: NMOC Calculation - Tier 1
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable Federal Requirement:40CFR 60.754(a)(2), NSPS Subpart

WWW

Item 40.1:

The owner or operator shall compare the calculated NMOC mass emission rate to the standard of 50 megagrams per year.

1) If the NMOC mass emission rate calculated in 40 CFR Part 60.754(a)(1) is less than 50 megagrams per year, then the landfill owner shall submit a mass emission rate report as provided in 40 CFR Part 60.757(b)(1), and shall recalculate the NMOC mass emission rate annually as required under 40 CFR Part 60.752(b)(1).

2) If the calculated NMOC mass emission rate is equal to or greater than 50 megagrams per year, then the landfill owner shall either comply with 40 CFR Part 60.752(b)(2), or determine the site-specific NMOC concentration and recalculate the NMOC mass emission rate using the procedures provided in 40 CFR Part 60.754(a)(3).

Condition 41: NMOC Calculation - Tier 2
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable Federal Requirement:40CFR 60.754(a)(3), NSPS Subpart

WWW

Item 41.1:

The landfill owner or operator shall determine the NMOC concentration using the following sampling procedure. The landfill owner or operator shall install at least two sample probes per hectare of landfill surface that has retained waste for at least 2 years. If the landfill is larger than 25 hectares in area, only 50 samples are required. The sample probes should be located to avoid known areas of nondegradable solid waste. The owner or operator shall collect and analyze one sample of landfill gas from each probe to determine the NMOC concentration using either, Method 25 or 25C of 40 CFR Part 60 Appendix A. Method 18 of Appendix A may be used to analyze the samples collected by the Method 25 or 25C sampling procedure. Taking



composite samples from different probes into a single cylinder is allowed; however, equal sample volumes must be taken from each probe. For each composite, the sampling rate, collection times, beginning and ending cylinder vacuums, or alternative volume measurements must be recorded to verify that composite volumes are equal. Composite sample volumes should not be less than one liter unless evidence can be provided to substantiate the accuracy of smaller volumes. Terminate compositing before the cylinder approaches ambient pressure where measurement

accuracy diminishes. If using Method 18, the owner or operator must identify all compounds in the sample and, as a minimum, test for those compounds published in the most recent Compilation of Air Pollutant Emission Factors (AP-42), minus carbon monoxide, hydrogen sulfide, and mercury. As a minimum, the instrument must be calibrated for each of the compounds on the list. Convert the concentration of each Method 18 compound to CNMOC as hexane by multiplying by the ratio of its carbon atoms divided by six. If more than the required number of samples are taken, all samples must be used in the analysis. The landfill owner or operator must divide the NMOC concentration from Method 25 or 25C of Appendix A of this part by six to convert from CNMOC as carbon to CNMOC as hexane. If the landfill has an active or passive gas removal system in place, Method 25 or 25C samples may be collected from these systems instead of surface probes provided the removal system can be shown to provide sampling as representative as the two sampling probe per hectare requirement. For active collection systems, samples may be collected from the common header pipe before the gas moving or condensate removal equipment. For these systems, a minimum of three samples must be collected from the header pipe.

1) The landfill owner or operator shall recalculate the NMOC mass emission rate using the equations provided in 40 CFR Part 60.754(a)(1)(i) or (ii) and using the average NMOC concentration from the collected samples instead of the default value in the equation provided in 40 CFR Part 60.754(a)(1).

2) If the resulting mass emission rate calculated using the site-specific NMOC concentration is equal to or greater than 50 megagrams per year, then the landfill owner or operator shall either comply with 40 CFR Part 60.752(b)(2), or determine the site-specific methane gas generation rate constant and recalculate the NMOC emission rate using the site-specific methane generation rate using the procedure specified in 40 CFR Part 60.754(a)(4).

3) If the resulting NMOC mass emission rate is less than 50 megagrams per year, the owner or operator shall submit a periodic estimate of the emission rate report as provided in 40 CFR Part 60.757(b)(1) and retest the site-specific NMOC concentration every 5 years using the methods specified in this condition.

Condition 42: NMOC Calculation - Alternative Methods
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable Federal Requirement: 40CFR 60.754(a)(5), NSPS Subpart

WWW

Item 42.1:

The owner or operator may use other methods to determine the NMOC concentration or a site-specific methane generation rate constant as an alternative to the methods required in 40 CFR Part 60.754(a)(3) and (a)(4) if the method has been approved by the Administrator.



Condition 43: Reporting requirements - Initial design capacity
Effective between the dates of 09/27/2013 and 09/26/2018

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

WWW

Item 43.1:

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 44: Reporting requirements - NMOC emission rate
Effective between the dates of 09/27/2013 and 09/26/2018

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

WWW

Item 44.1:

Owner or operator shall submit an NMOC emission rate report to the Administrator initially and annually thereafter, except as provided in (1)(ii) or (3) below. The Administrator may request such additional information as may be necessary to verify the reported NMOC emission rate.

1) The NMOC emission rate report shall contain an annual or 5-year estimate of the NMOC emission rate, calculated using the formula and procedures provided in 40 CFR Part 60.754(a) or (b), as applicable.

i) The initial NMOC emission rate report may be combined with the initial design capacity report required by 40 CFR Part 60.757(a) and shall be submitted no later than 90 days after the date of commenced construction. Subsequent NMOC emission rate reports shall be submitted annually thereafter, except as provided for in (1)(ii) and (3) below.

ii) If the estimated NMOC emission rate as reported in the annual report to the Administrator is less than 50 megagrams per year in each of the next 5 consecutive



years, the owner or operator may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual report. This estimate shall include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years for which an NMOC emission rate is estimated. All data and calculations upon which this estimate is based shall be provided to the Administrator. This estimate shall be revised at least once every 5 years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the 5-year estimate, a revised 5-year estimate shall be submitted to the Administrator. The revised estimate shall cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate.

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

3) Owner or operator is exempted from the requirements in paragraphs (1) and (2) above, after installation of a collection and control system in compliance with 40 CFR Part 60.752(b)(2), during such time as the collection and control system is in operation and in compliance with 40 CFR Part 60.753 and Part 60.755

**Condition 45: Reporting Requirements - Collection and Control System
Design Plan
Effective between the dates of 09/27/2013 and 09/26/2018**

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

WWW

Item 45.1:

Each owner or operator subject to the provisions of 40 CFR Part 60.752(b)(2)(i) shall submit a collection and control system design plan to the Administrator within 1 year of the first report, required under 40 CFR Part 60.757(b), in which the emission rate exceeds 50 megagrams per year, except as follows:

(1) If the owner or operator elects to recalculate the NMOC emission rate after Tier 2 NMOC sampling and analysis as provided in 40 CFR Part 60.754(a)(3) and the resulting rate is less than 50 megagrams per year, annual periodic reporting shall be resumed, using the Tier 2 determined site-specific NMOC concentration, until the calculated emission rate is equal to or greater than 50 megagrams per year or the landfill is closed. The revised NMOC emission rate report, with the recalculated emission rate based on NMOC sampling and analysis, shall be submitted within 180 days of the first calculated exceedance of 50 megagrams per year.

(2) If the owner or operator elects to recalculate the NMOC emission rate after determining a site-specific methane generation rate constant (k), as provided in Tier 3 in 40 CFR Part 60.754(a)(4), and the resulting NMOC emission rate is less than 50 Mg/yr, annual periodic reporting shall be resumed. The resulting site-specific methane generation rate constant (k) shall be used in the emission rate calculation until such time as the emissions rate calculation results in an exceedance. The revised NMOC emission rate report based on the provisions of 40 CFR Part 60.754(a)(4) and the resulting site-specific methane generation rate constant (k) shall be submitted to the Administrator within 1 year of the first calculated emission rate exceeding 50 megagrams per year.

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



Condition 46: Emission Point Definition By Emission Unit
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 46.1(From Mod 1):

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

Emission Unit: 1-COMBU

Emission Point: 10001
Height (ft.): 30 Diameter (in.): 14
NYTMN (km.): 4755.858 NYTME (km.): 369.994 Building: GEN

Emission Point: 10003
Height (ft.): 30 Diameter (in.): 14
NYTMN (km.): 4755.858 NYTME (km.): 369.994 Building: GEN

Item 46.2(From Mod 0):

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

Emission Unit: 1-LFGAS

Emission Point: 00002
Height (ft.): 10 Diameter (in.): 8
NYTMN (km.): 4756.952 NYTME (km.): 369.732

Emission Point: 00003
Height (ft.): 10 Diameter (in.): 8
NYTMN (km.): 4756.952 NYTME (km.): 369.732

Emission Point: 00004
Height (ft.): 10 Diameter (in.): 8
NYTMN (km.): 4756.952 NYTME (km.): 369.732

Emission Point: FL001
Height (ft.): 30 Diameter (in.): 8
NYTMN (km.): 4756.952 NYTME (km.): 369.732

Item 46.3(From Mod 0):

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

Emission Unit: 3-WWTMT

Emission Point: 00008
Height (ft.): 20 Diameter (in.): 20
NYTMN (km.): 4755.636 NYTME (km.): 369.852 Building: SHB

Emission Point: 00009
Height (ft.): 20 Diameter (in.): 20
NYTMN (km.): 4755.559 NYTME (km.): 369.832 Building: INF



Condition 47: Process Definition By Emission Unit
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 47.1(From Mod 1):

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

Emission Unit: 1-COMBU
Process: BIO Source Classification Code: 2-01-008-02
Process Description:
This process consists of landfill gas combustion in either of two identical 1 MW engine/ generator sets.

Emission Source/Control: GEN01 - Combustion
Design Capacity: 1.06 megawatt

Emission Source/Control: GEN03 - Combustion
Design Capacity: 1.06 megawatt

Item 47.2(From Mod 1):

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

Emission Unit: 1-COMBU
Process: NAT Source Classification Code: 2-01-002-02
Process Description:
This process consists of natural gas combustion in either of two identical 1 MW engine/ generator sets.

Emission Source/Control: GEN01 - Combustion
Design Capacity: 1.06 megawatt

Emission Source/Control: GEN03 - Combustion
Design Capacity: 1.06 megawatt

Item 47.3(From Mod 0):

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

Emission Unit: 1-LFGAS
Process: 001 Source Classification Code: 5-01-004-06
Process Description:
This process consists of landfill waste generating landfill gas by decomposition and the collection and control of the landfill gas emissions by flaring gas collected from landfill #1 and landfill #2, and proposed landfill expansion area. All collected gas will primarily be routed to the adjacent landfill gas-to-energy facility, owned and operated by an independent company. The landfill gas flare system will be used as a backup control device.

Emission Source/Control: F0001 - Control



Control Type: FLARING

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

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

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

Emission Source/Control: LFGFE - Process

Item 47.4(From Mod 0):

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

Emission Unit: 1-LFGAS
Process: 002 Source Classification Code: 5-01-004-02
Process Description:

This process consists of landfill waste generating landfill gas by decomposition and the fugitive emission of landfill gas to the atmosphere. Fugitive emissions include the portion of landfill gas that escapes collection by the gas collection and control system.

Emission Source/Control: LFGFE - Process

Item 47.5(From Mod 0):

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

Emission Unit: 3-WWTMT
Process: 004 Source Classification Code: 5-01-007-01
Process Description:

This process consists of the treatment of municipal wastewater at a 10.5 MGD Water Pollution Control Plant. The process includes activities involved in the treatment and disinfection of wastewater and stormwater prior to discharging to the Owasco Lake Outlet.

Emission Source/Control: W0001 - Control
Control Type: WET SCRUBBER

Emission Source/Control: W0002 - Control
Control Type: WET SCRUBBER

Emission Source/Control: W0003 - Control
Control Type: WET SCRUBBER

Emission Source/Control: W0019 - Control
Control Type: WET SCRUBBER

Emission Source/Control: W0004 - Process



- Emission Source/Control: W0005 - Process
- Emission Source/Control: W0006 - Process
- Emission Source/Control: W0007 - Process
- Emission Source/Control: W0008 - Process
- Emission Source/Control: W0009 - Process
- Emission Source/Control: W0010 - Process
- Emission Source/Control: W0011 - Process
- Emission Source/Control: W0012 - Process
- Emission Source/Control: W0013 - Process
- Emission Source/Control: W0014 - Process
- Emission Source/Control: W0015 - Process
- Emission Source/Control: W0016 - Process
- Emission Source/Control: W0017 - Process
- Emission Source/Control: W0018 - Process

Condition 1-4: Compliance Certification
Effective between the dates of 07/20/2015 and 09/26/2018

Applicable Federal Requirement:40CFR 60.7, NSPS Subpart A

Item 1-4.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU

Item 1-4.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

§60.7 Notification and record keeping.

The owner and/or operator shall comply with the notification and recordkeeping requirements as specified by § 60.4245 located elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

New York State Department of Environmental Conservation

Permit ID: 7-0501-00042/00004

Facility DEC ID: 7050100042



DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-5: Compliance Certification
Effective between the dates of 07/20/2015 and 09/26/2018

Applicable Federal Requirement:40CFR 60.8, NSPS Subpart A

Item 1-5.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU

Item 1-5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§60.8 Performance Tests

Owners and/or operators subject to the performance testing in subpart JJJJ, as specified in §60.4244 shall comply with the applicable provisions of §60.8 and §60.4244.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-6: Compliance Certification
Effective between the dates of 07/20/2015 and 09/26/2018

Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ

Item 1-6.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU

Item 1-6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 60.4230 Applicability

The following are applicable provisions to this emission unit (affected facility):

60.4230(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as

New York State Department of Environmental Conservation

Permit ID: 7-0501-00042/00004

Facility DEC ID: 7050100042



specified in paragraphs (a)(1) through (5) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

60.4230(a)(4) Owners and operators of stationary SI ICE that commence construction after June 12, 2006 where the stationary SI ICE are manufactured:

(i) On or after July 1, 2007, for engines with a maximum engine power greater than or equal to 500 HP (except for lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP).

60.4230(c) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-7: Compliance Certification
Effective between the dates of 07/20/2015 and 09/26/2018

Applicable Federal Requirement: 40CFR 60, NSPS Subpart JJJJ

Item 1-7.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU

Item 1-7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 60.4246 General Provisions

Table 3 to Subpart JJJJ of Part 60- Applicability of General Provisions to Subpart JJJJ

The following sections of 40 CFR 60 subpart A apply to this emission unit (affected facility). The owner and operator shall comply with the applicable provisions of these requirements.



- §60.1 General applicability of the General Provisions
- §60.2 Definitions - Note additional terms defined in §60.4248.
- §60.3 Units and abbreviations
- §60.4 Address
- §60.5 Determination of construction or modification
- §60.6 Review of plans
- §60.7 Notification and Recordkeeping: Except that §60.7 only applies as specified in §60.4245.
- §60.8 Performance tests: Except that §60.8 only applies to owners and operators who are subject to performance testing in subpart JJJJ.
- §60.9 Availability of information
- §60.10 State Authority
- §60.11 Compliance with standards and maintenance requirements:
Requirements are specified in subpart JJJJ.
- §60.12 Circumvention
- §60.14 Modification
- §60.15 Reconstruction
- §60.16 Priority list
- §60.17 Incorporations by reference
- §60.19 General notification and reporting requirements

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-8: Compliance Certification
Effective between the dates of 07/20/2015 and 09/26/2018

Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ

Item 1-8.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 0NY998-00-0	VOC
CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 1-8.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 60.4244 Testing Requirements for Owners and Operators

Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of this section.

(a) Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 to this subpart.

(b) You may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If your stationary SI internal combustion engine is non-operational, you do not need to startup the engine solely to conduct a performance test; however, you must conduct the performance test immediately upon startup of the engine.

(c) You must conduct three separate test runs for each performance test required in this section, as specified in §60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour.

(d) To determine compliance with the NOX mass per unit output emission limitation, convert the concentration of NOX in the engine exhaust using Equation 1 of this section:

$$ER = (Cd \times 1.912 \times 10^{-3} \times Q \times T) / Hp - hr$$

(Eq.1)

Where:

ER = Emission rate of NOX in g/HP-hr.

Cd= Measured NOX concentration in parts per million by volume (ppmv).

1.912×10^{-3} = Conversion constant for ppm NOX to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meter per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, horsepower-hour (HP-hr).

(e) To determine compliance with the CO mass per unit



output emission limitation, convert the concentration of CO in the engine exhaust using Equation 2 of this section:

$$ER = (Cd \times 1.164 \times 10^{-3} \times Q \times T) / HP - hr \quad (\text{Eq. 2})$$

Where:

ER = Emission rate of CO in g/HP-hr.

Cd= Measured CO concentration in ppmv.

1.164×10^{-3} = Conversion constant for ppm CO to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

(f) For purposes of this subpart, when calculating emissions of VOC, emissions of formaldehyde should not be included. To determine compliance with the VOC mass per unit output emission limitation, convert the concentration of VOC in the engine exhaust using Equation 3 of this section:

$$ER = (Cd \times 1.833 \times 10^{-3} \times Q \times T) / HP - hr \quad (\text{Eq. 3})$$

Where:

ER = Emission rate of VOC in g/HP-hr.

Cd= VOC concentration measured as propane in ppmv.

1.833×10^{-3} = Conversion constant for ppm VOC measured as propane, to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

(g) If the owner/operator chooses to measure VOC emissions using either Method 18 of 40 CFR part 60, appendix A, or Method 320 of 40 CFR part 63, appendix A, then it has the option of correcting the measured VOC emissions to account for the potential differences in measured values between these methods and Method 25A. The results from Method 18 and Method 320 can be corrected for response factor differences using Equations 4 and 5 of this section. The corrected VOC concentration can then be placed on a propane basis using Equation 6 of this section.

$$RF_i = C_{mi} / C_{ai} \quad (\text{Eq.4})$$



Where:

RF_i= Response factor of compound i when measured with EPA Method 25A.

CM_i= Measured concentration of compound i in ppmv as carbon.

CA_i= True concentration of compound i in ppmv as carbon.

$$C_{icorr} = RF_i \times C_{imeas} \text{ (Eq.5)}$$

Where:

C_{icorr}= Concentration of compound i corrected to the value that would have been measured by EPA Method 25A, ppmv as carbon.

C_{imeas}= Concentration of compound i measured by EPA Method 320, ppmv as carbon.

$$C_{peq} = 0.6098 \times C_{icorr} \text{ (Eq.6)}$$

Where:

C_{peq}= Concentration of compound i in mg of propane equivalent per DSCM.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-9: Compliance Certification

Effective between the dates of 07/20/2015 and 09/26/2018

Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ

Item 1-9.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU

Item 1-9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 60.4243 Compliance Requirements for Owners and Operators

§ 60.4243(b) If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in §60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of this section.



(1) Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.

(2) Purchasing a non-certified engine and demonstrating compliance with the emission standards specified in §60.4233(d) or (e) and according to the requirements specified in §60.4244, as applicable, and according to paragraphs (b)(2)(i) and (ii) of this section.

(i) If you are an owner or operator of a stationary SI internal combustion engine greater than 25 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance.

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

§ 60.4243(a)(1) & (2) Compliance requirements for owners or operators purchasing a certified stationary SI internal combustion engine pursuant to § 60.4243(b)(1).

(a)(1) If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator.

(a)(2) If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine, and you must demonstrate compliance according to (a)(2)(i) through (iii) of this section, as appropriate.



(i) If you are an owner or operator of a stationary SI internal combustion engine less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required if you are an owner or operator.

(ii) If you are an owner or operator of a stationary SI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test within 1 year of engine startup to demonstrate compliance.

(iii) If you are an owner or operator of a stationary SI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test within 1 year of engine startup and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-10: Compliance Certification
Effective between the dates of 07/20/2015 and 09/26/2018

Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ

Item 1-10.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU

Item 1-10.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 60.4245 Notification, Reports, and Records for Owners and Operators



Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90 and 1048.

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards.

(b) For all stationary SI emergency ICE greater than or equal to 500 HP manufactured on or after July 1, 2010, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than or equal to 130 HP and less than 500 HP manufactured on or after July 1, 2011 that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

(c) Owners and operators of stationary SI ICE greater than or equal to 500 HP that have not been certified by an engine manufacturer to meet the emission standards in §60.4231 must submit an initial notification as required in §60.7(a)(1). The notification must include the information in paragraphs (c)(1) through (5) of this



section.

- (1) Name and address of the owner or operator;
- (2) The address of the affected source;
- (3) Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement;
- (4) Emission control equipment; and
- (5) Fuel used.

(d) Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in §60.4244 within 60 days after the test has been completed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-11: Compliance Certification
Effective between the dates of 07/20/2015 and 09/26/2018

Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ

Item 1-11.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 0NY998-00-0	VOC
CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 1-11.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 60.4233 Emission Standards for Owners and Operators

§ 60.4233(e) Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards in Table 1 to this subpart for their stationary SI ICE. For owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 100 HP (except gasoline and rich burn engines that use LPG) manufactured prior to January 1, 2011 that were certified to the certification emission standards in 40 CFR part 1048 applicable to engines that



are not severe duty engines, if such stationary SI ICE was certified to a carbon monoxide (CO) standard above the standard in Table 1 to this subpart, then the owners and operators may meet the CO certification (not field testing) standard for which the engine was certified.

Pursuant to Table 1 to Subpart JJJJ of Part 60, NO_x, CO, and VOC Emission Standards for Stationary Non-Emergency SI Engines = or >100 HP (Except Gasoline and Rich Burn LPG), Stationary SI Landfill/Digester Gas Engines, and Stationary Emergency Engines >25 HP, the following emission standards apply as follows:

For engines with horsepower greater than or equal to 500 burning landfill/digester gas with a manufacture date of 7/1/2007 or later:

NO_x = 3.0 g/HP-hr or 220 ppmv @
15% O₂
CO = 5.0 g/HP-hr or 610 ppmv @
15% O₂
VOC = 1.0 g/HP-hr or 80 ppmv @
15% O₂

For non-emergency engines with horsepower greater than or equal to 500 burning natural gas with a manufacture date of 7/1/2007 or later:

NO_x = 2.0 g/HP-hr or 160 ppmv @ 15%
O₂
CO = 4.0 g/HP-hr or 540 ppmv @
15% O₂
VOC = 1.0 g/HP-hr or 86 ppmv @ 15%
O₂

Note: Owners or operators of stationary non-certified SI engines may choose to comply with the emission standards in units of either g/HP-hr or ppmv at 15 percent O₂. For purposes of this subpart, when calculating emissions of volatile organic compounds, emissions of formaldehyde should not be included.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-13: Test methods and procedures
Effective between the dates of 07/20/2015 and 09/26/2018

Applicable Federal Requirement: 40CFR 60.4244, NSPS Subpart JJJJ



Item 1-13.1:

This Condition applies to Emission Unit: 1-COMBU

Item 1-13.2:

Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of 40 CFR 60.4244, including :

- Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 to this subpart.
- The performance tests shall not be conducted during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If the stationary SI internal combustion engine is non-operational, the facility does not need to startup the engine solely to conduct a performance test, but must conduct the performance test immediately upon startup of the engine.
- The facility conduct three separate test runs for each performance test required in this section, as specified in §60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour.

Condition 1-12: Compliance Certification
Effective between the dates of 07/20/2015 and 09/26/2018

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 1-12.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU

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

Item 1-12.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE):

1. 40 CFR 63.6590(a)(2)(iii) - Pursuant to this section a stationary RICE located at an area source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.



2. Pursuant to 40 CFR 63.6595(a)(7), if you start up a new stationary RICE located at an area source of HAP emissions after January 18, 2008, you must comply with the applicable emission limitations and operating limitations in this subpart upon startup of the affected source.

3. 40 CFR 63.6590(c) - Stationary RICE subject to Regulations under 40 CFR Part 60: An affected source that is a new or reconstructed stationary RICE located at an area source must meet the requirements of this part by meeting the requirements of 40 CFR 60 subpart IIII, for compression ignition engines or 40 CFR 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

Note: This emission unit (affected source) is subject to the requirements of 40 CFR 60 subpart JJJJ, as detailed elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

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

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

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

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

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

Condition 48: Contaminant List
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable State Requirement:ECL 19-0301

Item 48.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000630-08-0
Name: CARBON MONOXIDE



CAS No: 0NY075-00-0
Name: PARTICULATES

CAS No: 0NY100-00-0
Name: TOTAL HAP

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

CAS No: 0NY998-00-0
Name: VOC

Condition 49: Malfunctions and start-up/shutdown activities
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable State Requirement:6 NYCRR 201-1.4

Item 49.1:

- (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 50: Unavoidable noncompliance and violations
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable State Requirement:6 NYCRR 201-1.4

Item 50.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment 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 commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

New York State Department of Environmental Conservation

Permit ID: 7-0501-00042/00004

Facility DEC ID: 7050100042



(e) 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.

Condition 51: Visible Emissions Limited
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable State Requirement:6 NYCRR 211.2

Item 51.1:

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 52: Compliance Demonstration
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable State Requirement:6 NYCRR 212.4

Item 52.1:

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

Emission Unit: 1-LFGAS
Process: 001

Emission Unit: 1-LFGAS
Process: 002

Emission Unit: 3-WWTMT
Process: 004

Item 52.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions of contaminants assigned an environmental rating and emission rate limits pursuant to 6 NYCRR 212, General Process Emission Sources.

1. Processes at this facility emit air contaminants regulated by 6 NYCRR 212.4, based on the contaminant's emission rate potential (ERP) and the environmental rating issued by the commissioner. For this facility, A-rated contaminants are those contaminants listed with a high toxicity in the Department's most recent DAR-1 (formerly Air Guide 1) guidance document, and any other contaminant that may be A-rated by the Department. All other contaminants are B-rated, unless specifically rated



otherwise by the Department.

a. no person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of 6 NYCRR 212.9 for the environmental rating issued by the commissioner.

b. for gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

2. Sources with emission rate potentials less than 1 pound per hour for "A" rated contaminants and less than 10 pounds per hour for "B" or "C" rated contaminants shall be allowed to operate without emission control provided that the predicted ambient concentrations do not exceed the Annual Guideline Concentration or the Short term Guideline Concentration for each contaminant, as determined by the Department's most recent DAR-1 (formerly Air Guide-1) guidance document.

Note: The most recent data, submitted with the Title V permit application, indicates that additional control is not required at this time, and that emissions are within permissible emission rates (i.e. A-rated contaminants are less than 1 lb/hr ERP and B-rated contaminants are less than 10 lbs/hr ERP).

3. The owner or operator shall re-calculate the emission rate potential of contaminants upon application for permit renewal, or more frequently as requested by the NYSDEC.

4. Should new information become available that results in a decision by the NYSDEC that lower ambient concentrations and emissions of a contaminant are necessary, the Department may revise a contaminant's environmental rating, and may require control of the contaminant.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 53: Idling of Diesel Trucks Limited
Effective between the dates of 09/27/2013 and 09/26/2018

Applicable State Requirement:6 NYCRR 217-3.2



Item 53.1:

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

Condition 54: Exceptions

Effective between the dates of 09/27/2013 and 09/26/2018

Applicable State Requirement:6 NYCRR 217-3.3

Item 54.1:

The prohibitions of section 217-3.2 shall not apply when:

- (a) A bus or truck is forced to remain motionless because of the traffic conditions over which the operator thereof has no control.
- (b) Regulations adopted by Federal, State or local agencies having jurisdiction require the maintenance of a specific temperature for passenger comfort. The idling time specified in section 217-3.2 may be increased, but only to the extent necessary to comply with such regulations.
- (c) A diesel engine is being used to provide power for an auxiliary purpose, such as loading, discharging, mixing or processing cargo; controlling cargo temperature; construction; lumbering; oil or gas well servicing; farming; or when operation of the engine is required for the purpose of maintenance.
- (d) Fire, police and public utility trucks or other vehicles are performing emergency services.
- (e) Trucks owned or operated by persons engaged in mining and quarrying are used within the confines of such person's property.
- (f) A truck is to remain motionless for a period exceeding two hours, and during which period the ambient temperature is continuously below 25oF.
- (g) A heavy duty diesel vehicle, as defined in subdivision 217-5.1(o), that is queued for or is undergoing a state authorized periodic or roadside diesel emissions inspection pursuant to Subpart 217-5.
- (h) A hybrid electric vehicle, as defined in subdivision 217-5.1(r), idling for the purpose of providing energy for battery or other form of energy storage recharging.

