

New York State Department of Environmental Conservation
Facility DEC ID: 8324400004



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 8-3244-00004/00007
Mod 0 Effective Date: 05/07/2001 Expiration Date: 05/07/2006
Mod 1 Effective Date: 06/25/2004 Expiration Date: 05/07/2006

Permit Issued To: ONTARIO COUNTY
27 N MAIN ST
CANANDAIGUA, NY 14424-1447

Contact: THOMAS A RAFFERTY
DEPARTMENT OF SOLID WASTE MANAGEMENT
3555 POST FARM RD
STANLEY, NY 14561
(585) 526-6099

Facility: ONTARIO CO LANDFILL
RT 5 & 20 OPPOSITE SENECA CASTLE RD
SENECA/FLINT, NY

Contact: THOMAS A RAFFERTY
DEPARTMENT OF SOLID WASTE MANAGEMENT
3555 POST FARM RD
STANLEY, NY 14561
(585) 526-6099

Description:
Mod 1 Title V Facility Permit for the Ontario County Sanitary Landfill as follows:

1. The reorganization of the three emission units listed below to the following two emission units:

Emission Unit 1-LANDF - This unit consists of five landfill areas (the closed Phases I, II and IIA, the active Phase III, and the Phase III landfill expansion which increases the capacity of Stages IV and V and adds Stages VI and VII to the active Phase III landfill) and the apparatus necessary to collect and combust the landfill gas (fugitive emissions and collected gas) generated. The expansion project will add a gross volume of 8,790,475 cy and a net solid waste volume of 7,397,000 cy to the Phase III landfill. The collected landfill gas will be combusted by the Ontario County Landfill LFG to Energy Facility, DEC ID 8-3244-00040/00001; with one (1) 500 cfm flare and one (1) 1000 cfm flare as a back up to combust the landfill gas when the Landfill Gas to Energy Facility is not operational.

Emission Unit 2-LCHST - This unit consists of one (1) 120 foot by 75 foot uncovered leachate storage pond and two (2) 30,000 gallon underground back up storage tanks vented to the air. The emissions

New York State Department of Environmental Conservation
Facility DEC ID: 8324400004



consist of evaporative losses of leachate.

2. The permit contains capping conditions which will limit emissions of Carbon Monoxide (CO) to below 250 tons per year (PSD thresholds) from the Phase I, II, IIA and III landfills; and will limit emissions of CO to below 250 tons per year (PSD thresholds) from the Phase III landfill expansion. Stack testing will be completed within 180 days of issuance of the permit, or within 180 days of completion of construction/installation and start-up of a new type of combustion source to develop emission factors to be used to calculate monthly emissions.

3. The permit contains capping conditions which will limit emissions of Oxides of Nitrogen (NOx) to below 100 tons per year (NSR thresholds) for the Phase I, II, IIA, and III landfills; and will limit emissions of NOx to below 100 tons per year (NSR thresholds) from the Phase III expansion landfill. Stack testing will be completed within 180 days of issuance of the permit, or within 180 days of completion of construction/installation and start-up of a new type of combustion source to develop emission factors to be used to calculate monthly emissions.

4. With the expansion, Ontario County Landfill will now be subject to 40CFR Subpart WWW requirements as well as 40CFR 63 Subpart AAAA.

Initial Title V Permit for the existing municipal, sanitary landfill. The facility consists of three Emission Units:

Emission Unit 1-00001, comprised of the Phase I closed section of the sanitary landfill.

Emission Unit 1-00002, that is comprised of the twelve (12) existing open passive CF-5 flares in the Phase IIA closed section which are connected to 19 (nineteen) pre-existing vertical gas vents which were initially spaced at approximately one per acre of cap. Presently the Phase II landfill has only fugitive gas emissions. The new gas wells to be installed in the Phase II closed section of the sanitary landfill at a rate of one (1) well per hectare and the existing vertical vents in the Phase IIA landfill will be connected to a single blower and enclosed 500 scfm gas flare.

Emission Unit 1-00003, comprised of eleven (11) CF-5 passive open flares which are each connected to an existing passive vertical gas extraction well in the Phase III active sanitary landfill. There are four horizontal gas extraction lines installed in the uncapped, in-place waste of stages 2 and 3 of the Phase III landfill which are interconnected to a 5 HP blower and an LTI UF40 open flare with a 1500 scfm design capacity. A proposed revision to the system design will be to replace this flare and the existing 11 passive flares with a blower and flare capable of handling 3,000 scfm of landfill gas.

This permit also includes a compliance schedule with milestone dates for the completion of the design and construction of the collection and control system.

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: PETER A LENT

New York State Department of Environmental Conservation
Facility DEC ID: 8324400004



DIVISION OF ENVIRONMENTAL PERMITS
6274 EAST AVON LIMA RD
AVON, NY 14414-9519

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 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 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 and Modifications

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 8
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 1-1: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 1-1.1:

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 1-1.2:

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 1-1.3:

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



New York State Department of Environmental Conservation
Facility DEC ID: 8324400004

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

Condition 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

Expired by Mod No: 1

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.

Condition 1-2: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 1-2.1:

The Department reserves the right 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.

Condition 4: Permit Modifications, Suspensions, and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Expired by Mod No: 1

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.



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

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 8 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 8 Headquarters
Division of Environmental Permits
6274 Avon-Lima Road
Avon, NY 14414-9519
(716) 226-2466



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: ONTARIO COUNTY
27 N MAIN ST
CANANDAIGUA, NY 14424-1447

Facility: ONTARIO CO LANDFILL
RT 5 & 20 OPPOSITE SENECA CASTLE RD
SENECA/FLINT, NY

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



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 24 6NYCRR 201-6: Emission Unit Definition
- 1-1 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 1-2 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 1-3 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 1-4 6NYCRR 201-6.5(e): Compliance Certification
- 1-5 6NYCRR 201-6.5(f): Compliance Certification
- 29 6NYCRR 202-1.2: Notification
- 30 6NYCRR 202-1.3(a): Acceptable procedures
- 31 6NYCRR 202-2.1: Compliance Certification
- 32 6NYCRR 202-2.3: Required contents of an emission statement.
- 33 6NYCRR 202-2.5: Recordkeeping requirements
- 35 6NYCRR 212: Condensate prohibited from flares
- 1-6 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 1-7 40CFR 60.752(b)(2), NSPS Subpart WWW: Standards for air emissions from MSW landfills
- 1-8 40CFR 60.753(a), NSPS Subpart WWW: Operational standards for collection and control

systems

- 1-9 40CFR 60.753(b), NSPS Subpart WWW: Compliance Certification
- 1-10 40CFR 60.753(c), NSPS Subpart WWW: Compliance Certification
- 1-11 40CFR 60.753(c), NSPS Subpart WWW: Compliance Certification
- 1-12 40CFR 60.753(c), NSPS Subpart WWW: Compliance Certification
- 1-13 40CFR 60.753(d), NSPS Subpart WWW: Compliance Certification
- 1-14 40CFR 60.753(e), NSPS Subpart WWW: Compliance Certification
- 1-15 40CFR 60.753(f), NSPS Subpart WWW: Compliance Certification
- 1-16 40CFR 60.753(g), NSPS Subpart WWW: Compliance Certification
- 1-17 40CFR 60.754(b), NSPS Subpart WWW: NMOC Calculation After Collection and Control

System Installation

- 1-18 40CFR 60.754(d), NSPS Subpart WWW: Performance Test
- 1-19 40CFR 60.755(a), NSPS Subpart WWW: Compliance Provisions - collection system
- 1-20 40CFR 60.755(b), NSPS Subpart WWW: Compliance Provisions - wells
- 1-21 40CFR 60.755(c), NSPS Subpart WWW: Compliance Provisions - surface methane
- 1-22 40CFR 60.755(d), NSPS Subpart WWW: Compliance Provisions - instrumentation

specifications

- 1-23 40CFR 60.755(e), NSPS Subpart WWW: Compliance Provisions - Start-up, shutdown, or

malfunction

- 1-24 40CFR 60.756(a), NSPS Subpart WWW: Compliance Certification
- 1-25 40CFR 60.756(b), NSPS Subpart WWW: Compliance Certification
- 1-26 40CFR 60.756(f), NSPS Subpart WWW: Compliance Certification
- 1-27 40CFR 60.757(d), NSPS Subpart WWW: Reporting Requirements - Closure Report
- 1-28 40CFR 60.757(e), NSPS Subpart WWW: Reporting Requirements - Control Equipment

Removal

- 1-29 40CFR 60.757(f), NSPS Subpart WWW: Compliance Certification
- 1-30 40CFR 60.757(g), NSPS Subpart WWW: Reporting requirements - Collection and control



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

system

- 1-31 40CFR 60.758(a), NSPS Subpart WWW: Compliance Certification
 - 1-32 40CFR 60.758(b), NSPS Subpart WWW: Compliance Certification
 - 1-33 40CFR 60.758(c), NSPS Subpart WWW: Compliance Certification
 - 1-34 40CFR 60.758(d), NSPS Subpart WWW: Compliance Certification
 - 1-35 40CFR 60.758(e), NSPS Subpart WWW: Compliance Certification
 - 1-36 40CFR 60.759(a), NSPS Subpart WWW: Specifications for active collection systems
 - 1-37 40CFR 60.759(c), NSPS Subpart WWW: Specifications for active collection systems
 - 1-38 40CFR 61.154, NESHAP Subpart M: Asbestos-containing waste material standard for active waste disposal sites
 - 1-39 40CFR 63.6(e)(3), Subpart A: Startup, Shutdown and Malfunction
 - 1-40 40CFR 63.1955(b), Subpart AAAA: Compliance Certification
 - 1-41 40CFR 63.1980(a), NESHAP Subpart AAAA: Compliance Certification
 - 1-42 40CFR 68: Accidental release provisions.
 - 1-43 40CFR 82, Subpart F: Recycling and Emissions Reduction
- Emission Unit Level**
- 76 6NYCRR 201-6: Emission Point Definition By Emission Unit
 - 77 6NYCRR 201-6: Process Definition By Emission Unit

EU=1-LANDF

- 1-44 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 1-45 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
- 1-46 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 1-47 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 1-48 40CFR 60.9, NSPS Subpart A: Availability of information.
- 1-49 40CFR 60.11(d), NSPS Subpart A: Compliance with Standards and Maintenance

Requirements

- 1-50 40CFR 60.12, NSPS Subpart A: Circumvention.
- 1-51 40CFR 60.752(b)(2)(iii)(B), NSPS Subpart WWW: Compliance Certification
- 1-52 40CFR 60.752(b)(2)(iii)(B), NSPS Subpart WWW: Compliance Certification

EU=1-LANDF,Proc=GAS

- 1-53 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 1-54 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 1-55 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 1-56 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 1-57 40CFR 60.8(f), NSPS Subpart A: Number of required tests.

EU=1-LANDF,Proc=GAS,ES=002FL

- 1-58 6NYCRR 212.4(c): Compliance Certification
- 1-59 6NYCRR 212.6(a): Compliance Certification

EU=1-LANDF,Proc=GAS,ES=003FL

- 1-60 6NYCRR 212.4(c): Compliance Certification
- 1-61 6NYCRR 212.6(a): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

- 1-62 ECL 19-0301: Contaminant List
- 1-63 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- *1-64 6NYCRR 201-7.2: Capping Monitoring Condition
- *1-65 6NYCRR 201-7.2: Capping Monitoring Condition
- *1-66 6NYCRR 201-7.2: Capping Monitoring Condition
- *1-67 6NYCRR 201-7.2: Capping Monitoring Condition
- 95 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

- 1-68 6NYCRR 201-7.2: Process Permissible Emissions

EU=1-LANDF

- 1-69 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

EU=2-LCHST

- 1-70 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

NOTE: * preceding the condition number indicates capping. Mod 0 Permit Effective Date:
05/07/2001 Permit Expiration Date: 05/07/2006

Mod 1 Permit Effective Date: 06/25/2004

Permit Expiration Date: 05/07/2006



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: Sealing - 6NYCRR Part 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6

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.

Item C: Maintenance of Equipment - 6NYCRR Part 200.7

Any person who owns or operates an air contamination

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



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.

Item D: Unpermitted Emission Sources - 6NYCRR Part 201-1.2

If an existing emission source was subject to the permitting requirements of 6NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 6NYCRR Part 201-1.5

An emergency constitutes an affirmative defense to an action brought 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 and/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;

(3) During the period of the emergency the facility owner and/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 and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/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 F: Recycling and Salvage - 6NYCRR Part 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6NYCRR Part 201-1.8

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.

Item H: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 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 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item I: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR Part 201-3.2(a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source 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 which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



requirements, regulations, or law.

Item J: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source 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 which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item K: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(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 L: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(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 M: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(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 N: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Requirements - 6 NYCRR Part 201-6.5(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 O: Providing Information Upon Request - 6 NYCRR Part 201-6.5(a)(4)

The permittee 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. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

Item P: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR Part 201-6.5(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 Q: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

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

Item R: Fees - 6 NYCRR Part 201-6.5(a)(7)

The owner and/or operator of a stationary source shall pay fees to the department consistent with the fee schedule authorized by 6 NYCRR Subpart 482-2.

Item S: Right to Inspect - 6 NYCRR Part 201-6.5(a)(8)

Upon presentation of credentials and other documents, as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

- i. Enter upon the permittee's premises where the permitted

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



facility 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 facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Item T: Severability - 6 NYCRR Part 201-6.5(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 U: Progress Reports and Compliance Schedules - 6 NYCRR Part 201-6.5(d)(5)

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. 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.

Item V: Off Permit Changes - 6 NYCRR Part 201-6.5(f)(6)

No permit revision will be required for operating changes that contravene an express permit term, provided that such

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



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 provisions 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 in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

Item W: Permit Shield - 6 NYCRR Part 201-6.5(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

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



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 X: Reopening for Cause - 6 NYCRR Part 201-6.5(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

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



a shorter time period in the case of an emergency.

Item Y: Required Emission Tests - 6 NYCRR Part 202-1.1

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3

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.

Item AA: Open Fires - 6 NYCRR Part 215

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

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



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

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.

FEDERAL APPLICABLE REQUIREMENTS

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

Condition 24: Emission Unit Definition
Effective between the dates of 05/07/2001 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 201-6

Item 24.1(From Mod 1):

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

Emission Unit: 1-LANDF

Emission Unit Description:

THIS UNIT CONSISTS OF FIVE LANDFILL AREAS (THE CLOSED PHASE I, THE CLOSED PHASE II AND IIA, THE ACTIVE PHASE III, AND THE PROPOSED LANDFILL EXPANSION) CONTRIBUTING TO THE GENERATION OF LANDFILL GAS (EITHER OF FUGITIVE EMISSIONS AND/OR COLLECTED GAS) AND THE APPARATUS NECESSARY TO COLLECT AND COMBUST THE LANDFILL GAS. THE PROPOSED PROJECT INCLUDES MODIFICATIONS TO THE CURRENTLY PERMITTED STAGES IV AND V AND THE ADDITIONS OF STAGES VI AND VII. THE EXPANSION PROJECT, INCLUDING THE MODIFIED STAGES IV AND V, WILL ADD A GROSS VOLUME OF 8,790,475 CY AND A NET SOLID WASTE VOLUME OF 7,397,000 CY TO THE PHASE III LANDFILL.

Item 24.2(From Mod 1):

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

Emission Unit: 2-LCHST

Emission Unit Description:

THIS UNIT CONSISTS OF THE LEACHATE STORAGE POND.

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Item 24.3(From Mod 0):

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

Emission Unit: 1-00001 End Date: 10/07/2003

Emission Unit Description:

PHASE I CLOSED SANITARY LANDFILL
CONTAINING APPROXIMATELY 66,660 TONS OF
WASTE PLACED BETWEEN 1974 AND 1979. TOTAL
NMOC EMISSIONS ARE 0.31 MG/YR. THIS IS
LESS THAN 1% OF TOTAL FACILITY EMISSIONS OF
91 MG/YR. PER 6 NYCRR PART 360-2.21 (j)(1)
(iii) (b) NON PRODUCTIVE EXCLUSION FROM GAS
COLLECTION AND CONTROL REQUIREMENTS, NO
CONTROLS WILL BE ADDED TO THIS EMISSION
UNIT.

Item 24.4(From Mod 0):

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

Emission Unit: 1-00002 End Date: 10/07/2003

Emission Unit Description:

THE PHASE II AND IIA CLOSED SANITARY
LANDFILLS CONTAIN APPROXIMATELY 703,834
TONS OF WASTE PLACED BETWEEN 1980 AND 1992.
THE LANDFILLS ARE SEPARATE AND ADJOINING
WITH A LOW PERMEABILITY SOIL CAP ON PHASE
II AND GEOMEMBRANE CAP ON PHASE IIA. THE
PHASE II LANDFILL PRESENTLY HAS NO GAS
COLLECTION OR CONTROL SYSTEM. PHASE II
LANDFILL HAS ONLY FUGITIVE GAS EMISSIONS.
THE PHASE IIA LANDFILL PRESENTLY HAS 12
OPEN PASSIVE CF-5 FLARES CONNECTED TO 19
PRE-EXISTING VERTICAL GAS VENTS WHICH WERE
INITIALLY SPACED AT APPROXIMATELY ONE PER
ACRE OF CAP. THE DESIGN PROPOSAL FOR AN
ACTIVE GAS COLLECTION AND CONTROL SYSTEM OF
THE PHASE II/IIA LANDFILL WILL INCORPORATE
THE EXISTING VERTICAL GAS VENTS OF THE
PHASE IIA LANDFILL AND INSTALLATION OF
VERTICAL GAS EXTRACTION WELLS IN THE PHASE
II LANDFILL. ALL VERTICAL VENTS AND
EXTRACTION WELLS WILL BE INTERCONNECTED TO
A SINGLE VACUUM SOURCE (BLOWER WITH 30
INCHES OF WATER DESIGN CAPACITY) AND
ENCLOSED 500 SCFM FLARE.

Item 24.5(From Mod 0):

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

Emission Unit: 1-00003 End Date: 10/07/2003

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Emission Unit Description:

PHASE III ACTIVE SANITARY LANDFILL. THE LANDFILL BEGAN RECEIVING WASTE IN 1992 AND AT THE END OF YEAR 1999 HAS APPROXIMATELY 1,115,541 TONS OF IN PLACE WASTE. THE PHASE III LANDFILL WILL CONTINUE TO RECEIVE SANITARY WASTE UNTIL IT REACHES ITS TOTAL DESIGN CAPACITY OF 4,845, 904 CY. FINAL COVER, CONSISTING OF GEOMEMBRANE IS INSTALLED OVER THE 13 ACRE AREA WHICH INCLUDES ALL OF STAGE I. THE STAGE I AREA WAS CONSTRUCTED WITH A GEOMEMBRANE LINER THAT PRE-DATED SUBTITLE D (40 CFR 258.40) AND IS NOT THE LINER PRESCRIBED BY SUBTITLE D. OTHER CONSTRUCTED PORTIONS OF PHASE III (i.e. STAGES II AND III) HAVE THE PRESCRIBED SUBTITLE D LINER. STAGES IV AND V HAVE NOT BEEN CONSTRUCTED YET, BUT ARE COVERED BY THIS PERMITTING UP TO THE PERMITTED DESIGN CAPACITY OF PHASE III.

Condition 1-1: Recordkeeping and reporting of compliance monitoring Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 201-6.5(c)

Item 1-1.1:

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 201-6.3 of this Part 201.

Condition 1-2: Monitoring, Related Recordkeeping, and Reporting Requirements. Effective between the dates of 06/25/2004 and 05/07/2006

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)

Item 1-2.1:

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 1-3: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)(ii)

Item 1-3.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-3.2:

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:

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



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

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

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(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.

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



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 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 1-4: Compliance Certification
Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 201-6.5(e)

Item 1-4.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Monitoring Description:

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

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

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



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

The address for the RAPCE is as follows:

6274 East Avon-Lima Road
Avon, NY 14414-9519

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 4/30/2002.
Subsequent reports are due on the same day each year

Condition 1-5: Compliance Certification
Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 201-6.5(f)

Item 1-5.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

Plan Objective

The objective of this Plan is to maximize operational flexibility by building into the Title V Permit the capability to make minor changes following a pre-established protocol as allowed for in 6NYCRR Part 201-6.5(f).

This plan does not address those types of changes that would invoke the Part 201-6.7(d) "Significant Permit

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Modification". Rather, it addresses changes that qualify as minor modifications pursuant to the criteria specified by Part 201-6.7(c).

Protocol for Changes

(1) Certain changes which meet the criteria under (i) - (iii) below may be conducted without prior approval of the Department and shall not require modification of the permit. The facility owner and/or operator must however maintain records of the date and description of such changes and make such records available for review by Department representatives upon request.

(i) changes that do not cause emissions to exceed any emission limitation contained in regulations or applicable requirements under this Chapter;

(ii) changes which do not cause the subject emission unit, emission source, process, or emission point to become subject to any additional regulations or requirements under this Chapter;

(iii) changes that do not seek to establish or modify a federally-enforceable emission cap or limit.

(2) In addition to the record keeping required under (1) above, the permittee must notify the Department in writing at least 30 calendar days in advance of making changes involving:

(i) the installation or relocation of any emission source, process, or emission point within a facility;

(ii) the emission of any air pollutant not previously authorized or emitted in accordance with a permit issued by the Department;

(iii) the installation or alteration of any air cleaning installation, device or control equipment.

(3) The Department may require a permit modification, in order to impose new applicable requirements or special permit conditions if it determines that changes proposed pursuant to notification under (2) above do not meet the criteria under (1) or the change may have a significant air quality impact. In such cases the Department may require that the permittee not undertake the proposed

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



change until it completes a more detailed review of the potential air quality impacts and/or applicable requirements. The Department shall respond to the permittee in writing with such a determination within 15 days of receipt of the 30 day advance notification from the permittee. The Department's determination shall include a listing of information necessary to further review the proposed change.

Reporting

On an annual basis, the facility must submit a summary of all changes made under the Protocol for Changes during that year. This summary is to be submitted as part of the annual compliance certification pursuant to 6NYCRR Part 201-6.5(e).

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 29: Notification

Effective between the dates of 05/07/2001 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 202-1.2

Item 29.1:

A person who is required by the commissioner to submit a stack test report shall notify the commissioner, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include the acceptable procedures to be used to stack test including sampling and analytical procedures. Such person shall allow the commissioner, or his representative, free access to observe stack testing being conducted by such person.

Condition 30: Acceptable procedures

Effective between the dates of 05/07/2001 and 05/07/2006

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

Item 30.1:

Emission testing, sampling and analytical determinations to ascertain compliance with this Subchapter shall be conducted in accordance with test methods acceptable to the commissioner. The Reference Methods contained in part 60, appendix A and part 61, appendix B of title 40 of the Code of Federal Regulations and all future technical revisions, additions or corrections made thereto shall be considered as acceptable test methods for those sources and contaminants for which they are expressly applicable, except where the commissioner has issued a specific method to be used instead of a Reference Method



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

contained in these Federal regulations or where the commissioner determines that one or more alternate methods are also acceptable. The person who owns or operates an air contamination source shall submit the emission test report in triplicate, to the commissioner within 60 days after the completion of tests. In the event such source owner/operator can demonstrate to the commissioner such time is not sufficient, he may request in writing and be granted an extension. Where an opacity emission standard is applicable to the source tested, the emission test report shall include the opacity observation.

Condition 31: Compliance Certification
Effective between the dates of 05/07/2001 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 32: Required contents of an emission statement.
Effective between the dates of 05/07/2001 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 202-2.3

Item 32.1:

(a) Emission statements shall include the following:

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

(2) Facility level information, consisting of:

(i) verification of full name of facility;

(ii) verification of parent company name;

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



- (iii) verification of street address (physical location) of the facility;
 - (iv) verification of four digit SIC code(s) for the facility;
 - (v) calendar year reportable emissions.
 - (vi) total facility fuel use and fuel sulfur content and heat value (for combustion installations);
and,
 - (vii) fugitive emissions.
- (3) Emission point level information, consisting of:
- (i) average hours of operation per day (peak ozone and carbon monoxide seasons);
 - (ii) average days of operation per week (peak ozone and carbon monoxide seasons);
 - (iii) weeks of operation per year (seasonal and annual);
 - (iv) hours of operation per year; and
 - (v) percentage annual throughput (percentage of annual activity by season).
 - (vi) verification of latitude and longitude.
- (4) Process level information, consisting of:
- (i) maximum heat input (for combustion installations);
 - (ii) quantity of fuels consumed (for combustion installations);
 - (iii) estimated actual annual reportable emissions, for each air regulated air pollutant emitted, (in units of pounds per year);
 - (iv) estimated emissions method (see 6 NYCRR Part 202-2.4(b));
 - (v) emission factor(s) (if used to determine actual emissions);
 - (vi) primary and secondary control equipment identification code(s);
 - (vii) control efficiencies achieved by the control equipment. The control efficiency should reflect the total control efficiency from all control equipment for a specific criteria group (e.g., VOCs and NO_x). If the actual control efficiency is unavailable, the design efficiency or the control efficiency limit imposed by a permit shall be used;
 - (viii) annual process rate;



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

- (ix) peak ozone season daily process rate.
- (b) Petroleum, volatile organic liquid, and fuel storage and distribution facilities must provide the following additional information:
 - (1) tank capacity (including maximum and average liquid height, and working volume); and
 - (2) throughput associated with tanks and loading racks (including turnovers per year).
- (c) The Department shall provide instructions concerning the emission statements applicable to a particular facility, when the statement is mailed to the facility. These instructions shall include control equipment identification code(s) and estimated emissions method code(s).

Condition 33: Recordkeeping requirements
Effective between the dates of 05/07/2001 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 33.1:

- (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 35: Condensate prohibited from flares
Effective between the dates of 05/07/2001 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 212

Item 35.1:

Condensate generated at the landfill shall not be disposed of by combustion in the flares at the landfill

Condition 1-6: EPA Region 2 address.
Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 1-6.1:

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

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

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 1-7: Standards for air emissions from MSW landfills
Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-7.1:

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

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

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

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

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

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

ii) Install a collection and control system that captures the gas generated within the landfill as required by paragraphs (ii)(A) or (B) and (iii) below, within 30 months after the first annual report in which the emission rate equals or exceeds 50 megagrams per year, unless Tier 2 or Tier 3 sampling



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

demonstrates that the emission rate is less than 50 megagrams per year, as specified in 40 CFR Part 60.757(c)(1) or (2).

A) An active gas collection system shall:

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

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

3) collect gas at a sufficient extraction rate; and

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

(B) A passive collection system shall:

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

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

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

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

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

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

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

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

**Condition 1-8: Operational standards for collection and control systems
Effective between the dates of 06/25/2004 and 05/07/2006**

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



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

Item 1-8.1:

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

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

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

Condition 1-9: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-9.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: PRESSURE



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

Upper Permit Limit: 0 pounds per square inch gauge
Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 1-10: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-10.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-10.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: NITROGEN CONTENT

Upper Permit Limit: 19.9 percent

Reference Test Method: Method 3c

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-11: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-11.1:

The Compliance Certification activity will be performed for the Facility.



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

Item 1-11.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: OXYGEN CONTENT

Upper Permit Limit: 4.9 percent

Reference Test Method: Method 3a

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-12: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-12.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-12.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: LANDFILL GAS
Parameter Monitored: TEMPERATURE
Upper Permit Limit: 54.9 degrees Centigrade (or Celsius)
Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 1-13: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-13.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 1-13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING

Monitoring Description:

Operate the collection system so that the methane concentration is less than 500 part per million above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator shall conduct surface testing around the perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent overage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30 meter intervals. This plan shall be submitted to the Department for review and approval within 60 days of issuance of this permit. The plan shall be revised as needed for any landfill expansion. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.

Parameter Monitored: METHANE



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

Upper Permit Limit: 499 parts per million (by volume)
Monitoring Frequency: QUARTERLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 1-14: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-14.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-14.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-15: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-15.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-15.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operate the control or treatment system at all times when



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

the collected gas is routed to the system

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 1-16: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-16.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-16.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 1-17: NMOC Calculation After Collection and Control System

Installation

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 40CFR 60.754(b), NSPS Subpart WWW

Item 1-17.1:

After the installation of a collection and control system in compliance with 40 CFR Part 60.755, the owner or operator shall calculate the NMOC emission rate for purposes of determining when the system can be removed as provided in 40 CFR Part 60.752(b)(2)(v), using the following equation:

$$M_{\text{NMOC}} = 1.89 \times 10^{-3} Q_{\text{LFG}} C_{\text{NMOC}}$$

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



where,

M_{NMOC} = mass emission rate of NMOC, megagrams per year

Q_{LFG} = flow rate of landfill gas, cubic meters per minute

C_{NMOC} = NMOC concentration, parts per million by volume as hexane

(1) The flow rate of landfill gas, Q_{LFG} , shall be determined by measuring the total landfill gas flow rate at the common header pipe that leads to the control device using a gas flow measuring device calibrated according to the provisions of section 4 of Method 2E of 40 CFR Part 60 Appendix A.

(2) The average NMOC concentration, C_{NMOC} , shall be determined by collecting and analyzing landfill gas sampled from the common header pipe before the gas moving or condensate removal equipment using the procedures in Method 25C or Method 18 of 40 CFR Part 60 Appendix A. If using Method 18 of 40 CFR Part 60 Appendix A, the minimum list of compounds to be tested shall be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42). The sample location on the common header pipe shall be before any condensate removal or other gas refining units. The landfill owner or operator shall divide the NMOC concentration from Method 25C of 40 CFR Part 60 Appendix A by six to convert from C_{NMOC} as carbon to C_{NMOC} as hexane.

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

Condition 1-18: Performance Test

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-18.1:

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

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

where,

NMOC_{in} = mass of NMOC entering control device

NMOC_{out} = mass of NMOC exiting control device

Condition 1-19: Compliance Provisions - collection system

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-19.1:

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

1) For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with 40 CFR Part 60.752(b)(2)(ii)(A)(1), the following equation shall be used. The k and L_0 kinetic factors should be those published in the most recent Compilation of Air Pollutant Emissions Factors (AP-42) or other site specific values demonstrated to be appropriate for this site and approved by the Administrator. If k has been determined as specified in 40 CFR Part 60.754(a)(4), the value of k determined from the test shall be used. The active life of the landfill is the age of the landfill plus the estimated number of years until closure.

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

$$Q_M = \sum 2 k L_0 M_i (e^{-kt_i}) ,$$

where,

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

k = methane generation rate constant, year⁻¹

L_0 = methane generation potential, cubic meters per megagram solid waste

M_i = mass of solid waste in the i^{th} section, megagrams

t_i = age of the i^{th} section (years).

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

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

4) Owners or operators are not required to expand the system as required in paragraph (3)



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

above during the first 180 days after gas collection system startup.

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

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

Condition 1-20: Compliance Provisions - wells

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-20.1:

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

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

Condition 1-21: Compliance Provisions - surface methane

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-21.1:

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

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

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



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

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

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

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

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

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

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

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

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

Condition 1-22: Compliance Provisions - instrumentation specifications

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-22.1:

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

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

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



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

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

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

Condition 1-23: Compliance Provisions - Start-up, shutdown, or malfunction
Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-23.1:

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

Condition 1-24: Compliance Certification
Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-24.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

(1) Measure the gauge pressure in the gas collection header on a monthly basis as provided in 40 CFR Part 60.755(a)(3); and

(2) Monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as provided in 40 CFR Part 60.755(a)(5); and

(3) Monitor temperature of the landfill gas on a monthly basis as provided in 40CFR Part 60.755(a)(5).



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-25: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-25.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

Reports due 30 days after the reporting period.
The initial report is due 10/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 1-26: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-26.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 1-26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING

Monitoring Description:

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

Parameter Monitored: METHANE

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

Reference Test Method: Method 21

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-27: Reporting Requirements - Closure Report

Effective between the dates of 06/25/2004 and 05/07/2006

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

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Item 1-27.1:

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

Condition 1-28: Reporting Requirements - Control Equipment Removal
Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-28.1:

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

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

(i) A copy of the closure report submitted in accordance with 40 CFR Part 60.757(d) of this section;

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

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

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

Condition 1-29: Compliance Certification
Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-29.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator of a landfill seeking to comply with 40 CFR Part 60.752(b)(2) using an active collection system designed in accordance with 40 CFR Part 60.752(b)(2)(ii) shall submit to the Administrator annual reports of the recorded information in paragraphs (1)

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



through (6) below. The initial annual report shall be submitted within 180 days of installation and start-up of the collection and control system, and shall include the initial performance test report required under 40 CFR Part 60.8. For enclosed combustion devices and flares, reportable exceedances are defined under 40 CFR Part 60.758(c).

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

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

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

**Condition 1-30: Reporting requirements - Collection and control system
Effective between the dates of 06/25/2004 and 05/07/2006**

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

Item 1-30.1:



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

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

1) A diagram of the collection system showing collection system positioning including all wells, horizontal collectors, surface collectors, or other gas extraction devices, including the locations of any areas excluded from collection and the proposed sites for the future collection system expansion;

2) The data upon which the sufficient density of wells, horizontal collectors, surface collectors, or other gas extraction devices and the gas mover equipment sizing are based;

3) The documentation of the presence of asbestos or nondegradable material for each area from which collection wells have been excluded based on the presence of asbestos or nondegradable material;

4) The sum of the gas generation flow rates for all areas from which collection wells have been excluded based on nonproductivity and the calculations of gas generation flow rate for each excluded area; and

5) The provisions for increasing gas mover equipment capacity with increased gas generation flow rate, if the present gas mover equipment is inadequate to move the maximum flow rate expected over the life of the landfill; and

6) The provisions for the control of off-site migration.

Condition 1-31: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-31.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE MONITORING

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-32: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-32.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

2) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with 40 CFR Part 60.752(b)(2)(iii) through use of an enclosed combustion device other than a boiler or

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



process heater with a design heat input capacity greater than 44 megawatts:

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-33: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-33.1:

The Compliance Certification activity will be performed for the Facility.

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Item 1-33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

2) Each owner or operator shall keep up-to-date, readily accessible continuous records of the indication of flow to the control device or the indication of bypass flow or records of monthly inspections of car-seals or lock-and-key configurations used to seal bypass lines, specified under 40 CFR Part 60.756.

3) Each owner or operator subject to the provisions of this subpart who uses a boiler or process heater with a design heat input capacity of 44 megawatts or greater to comply with 40 CFR Part 60.752(b)(2)(iii) shall keep an up-to-date, readily accessible record of all periods of operation of the boiler or process heater. (Examples of such records could

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



include records of steam use, fuel use, or monitoring data collected pursuant to other State, local, Tribal, or Federal regulatory requirements.)

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

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-34: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-34.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

1) Each owner or operator shall keep up-to-date, readily accessible records of the installation date and location of all newly installed collectors as specified under 40 CFR Part 60.755(b).

2) Each owner or operator shall keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as provided in 40 CFR Part



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

60.759(a)(3)(i) as well as any nonproductive areas excluded from collection as provided in 40 CFR Part 60.759(a)(3)(ii).

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-35: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-35.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-36: Specifications for active collection systems

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-36.1:

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

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



been approved by the Administrator as provided in 40 CFR 60.752(b)(2)(i)(C) and (D):

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

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

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

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

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

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

where,

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

k = methane generation rate constant, year⁻¹

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

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

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

C_{NMOC} = concentration of nonmethane organic compounds, parts per million by volume

3.6×10^{-9} = conversion factor

iii) The values for k and C_{NMOC} determined in field testing shall be used, if field testing has been performed in determining the NMOC emission rate or the radii of influence (the distance from the well center to a point in the landfill where the pressure gradient applied by the blower or compressor approaches zero). If field testing has not been performed, the default values for k , L_o and C_{NMOC} provided in 40 CFR Part 60.754(a)(1) or the alternative values from 40 CFR Part 60.754(a)(5) shall be



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

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

Condition 1-37: Specifications for active collection systems

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-37.1:

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

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

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

Condition 1-38: Asbestos-containing waste material standard for active waste disposal sites

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 40CFR 61.154, NESHAP Subpart M

Item 1-38.1:

Owner or operator shall comply with the requirements of 40 CFR Part 61.154 when accepting asbestos-containing waste material from any source required to comply with 40 CFR Part 61.149, 61.150, or 61.155.

Condition 1-39: Startup, Shutdown and Malfunction

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 40CFR 63.6(e)(3), Subpart A

Item 1-39.1:

The owner or operator of an applicable source shall develop and implement a written startup, shutdown and malfunction (SSM) plan that describes in detail procedures for operating and maintaining the source during periods of SSM and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the relevant standard. Consult 40 CFR 63.6(e)(3) (i through viii) for specific requirements regarding SSM plans.

Condition 1-40: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Item 1-40.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 1-40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If you are required by 40CFR60.752(b)(2) of subpart WWW, the Federal plan, or an EPA approved and effective State or tribal plan to install a collection and control system, you must comply with the requirements in §§63.1960 through 63.1985 and with the general provisions of part 63 as specified in table 1 of Subpart AAAA.

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

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

- During periods of startup, shutdown, and malfunction, the facility must operate and maintain the affected source in accordance with the procedures specified in the SSM plan.

- When actions taken by the owner/operator during a startup, shutdown, or malfunction are consistent with the procedures specified in the affected source's SSM plan, the owner/operator must keep records for that event which demonstrate that the procedures specified in the plan were followed. In addition, the owner/operator must keep records of these events as specified in §63.10(b), including records of operation and each malfunction of the air pollution control and monitoring equipment.

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Furthermore, the owner/operator shall confirm that actions taken during the startup, shutdown, and malfunction were consistent with the SSM plan in the semiannual report as required in §63.10(d)(5).

- If an action taken by the facility is not consistent with the SSM plan, and the affected source exceeds the relevant emission standard, then the owner/operator must record the actions taken for that event and must report such actions within 2 working days after commencing actions inconsistent with the SSM plan, followed by a letter within 7 working days after the end of the event.

- EPA or NYSDEC may at any time request in writing that the facility submit a copy of the SSM plan (or a portion thereof) which is maintained at the affected source. Upon receipt of such a request, the facility must promptly submit a copy of the requested plan to EPA or NYSDEC. EPA or NYSDEC must request that the facility submit a SSM plan whenever a member of the public submits a specific and reasonable request to examine or to receive a copy of that plan or portion of a plan. If the facility claims that any portion of such a SSM plan is confidential business information entitled to protection from disclosure under section 114(c) of the Act or 40CFR2.301, the material which is claimed as confidential must be clearly designated in the submission.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-41: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-41.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Monitoring Description:

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

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

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

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

Condition 1-42: Accidental release provisions.

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 40CFR 68

Item 1-42.1:

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:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866
ATTN: Accidental Release Program contact

Condition 1-43: Recycling and Emissions Reduction

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 1-43.1:

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

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

Condition 76: Emission Point Definition By Emission Unit

Effective between the dates of 05/07/2001 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 201-6

Item 76.1(From Mod 1):

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

Emission Unit: 1-LANDF



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

Emission Point: 020FL
Height (ft.): 30 Diameter (in.): 72

Emission Point: 030FL
Height (ft.): 40 Diameter (in.): 72

Item 76.2(From Mod 0):

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

Emission Unit: 1-00002

Emission Point: 02001
Height (ft.): 10 Diameter (in.): 2

Emission Point: 02002
Height (ft.): 10 Diameter (in.): 2

Emission Point: 02003
Height (ft.): 10 Diameter (in.): 2

Emission Point: 02004
Height (ft.): 10 Diameter (in.): 2

Emission Point: 02005
Height (ft.): 10 Diameter (in.): 2

Emission Point: 02006
Height (ft.): 10 Diameter (in.): 2

Emission Point: 02007
Height (ft.): 10 Diameter (in.): 2

Emission Point: 02008
Height (ft.): 10 Diameter (in.): 2

Emission Point: 02009
Height (ft.): 10 Diameter (in.): 2

Emission Point: 02010
Height (ft.): 10 Diameter (in.): 2

Emission Point: 02011
Height (ft.): 10 Diameter (in.): 2

Emission Point: 02012
Height (ft.): 10 Diameter (in.): 2

Item 76.3(From Mod 0):



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

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

Emission Unit:	1-00003	
Emission Point:	03001	
Height (ft.):	10	Diameter (in.): 2
Emission Point:	03002	
Height (ft.):	10	Diameter (in.): 2
Emission Point:	03003	
Height (ft.):	10	Diameter (in.): 2
Emission Point:	03004	
Height (ft.):	10	Diameter (in.): 2
Emission Point:	03005	
Height (ft.):	10	Diameter (in.): 2
Emission Point:	03006	
Height (ft.):	10	Diameter (in.): 2
Emission Point:	03007	
Height (ft.):	10	Diameter (in.): 2
Emission Point:	03008	
Height (ft.):	10	Diameter (in.): 2
Emission Point:	03009	
Height (ft.):	10	Diameter (in.): 2
Emission Point:	03010	
Height (ft.):	10	Diameter (in.): 2
Emission Point:	03011	
Height (ft.):	10	Diameter (in.): 2
Emission Point:	03012	
Height (ft.):	26	Diameter (in.): 142
Emission Point:	030PF	
Height (ft.):	20	Diameter (in.): 6

Condition 77: Process Definition By Emission Unit
Effective between the dates of 05/07/2001 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 201-6

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Item 77.1(From Mod 1):

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

Emission Unit: 1-LANDF

Process: FUG

Source Classification Code: 5-02-006-02

Process Description:

CONSISTS OF FUGITIVE LANDFILL GAS EMISSIONS (BEYOND THE COLLECTION EFFICIENCY OF THE GAS COLLECTION SYSTEM) FROM THE FIVE LANDFILLS.

Emission Source/Control: EXPLF - Process

Emission Source/Control: PHS1L - Process

Design Capacity: 66,660 tons

Emission Source/Control: PHS2A - Process

Emission Source/Control: PHS2L - Process

Design Capacity: 703,834 tons

Emission Source/Control: PHS3L - Process

Item 77.2(From Mod 1):

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

Emission Unit: 1-LANDF

Process: GAS

Source Classification Code: 5-02-006-10

Process Description:

THE FOUR LANDFILLS CONTRIBUTING GAS (PHASE II, IIA, III, PHASE III EXPANSION) FOR COLLECTION WILL BE COMBUSTED BY FLARES AND ENGINES. THE COLLECTED LANDFILL GAS FROM THESE FOUR LANDFILLS WILL BE PROVIDED TO ONTARIO LANDFILL LFG TO ENERGY FACILITY (OLLEF), A SEPARATELY OWNED, OPERATED, PERMITTED FACILITY. LFG PROVIDED TO OLLEF WILL ENTER THE PLANT FROM THE LANDFILL VIA A 12" HDPE PIPELINE SATURATED AT 80 TO 90 DEGREES F. THE GAS COLLECTED GOES THROUGH THE NUMBER ONE KNOCKOUT. THE KNOCKOUT IS A CYCLONE WITH A DEMISTER PAD AND REMOVES THE MAJORITY OF FREE MOISTURE. THE GAS THEN GOES TO THE GAS COMPRESSORS AND IS COMPRESSED TO 5 PSI. FROM THE COMPRESSORS, THE GAS GOES THROUGH THE HEAT EXCHANGERS AND IS COOLED TO 40 DEGREES F AND TO THE NUMBER 2 KNOCKOUT, WHICH REMOVES THE FREE

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



MOISTURE FORMED FROM THE COOLING. THE GAS THEN GOES TO THE SCRUBBING TOWER WHERE THE GAS COMES IN CONTACT WITH THE TRIPHTYLENE GLYCOL. THE GAS EXITS THE SCRUBBER AT A DEWPOINT OF -25 DEGREES F AND FREE OF PARTICULATES. THE GAS FLOWS THROUGH A COALESCING FILTER AS THE FINAL CLEANING TO REMOVE ANY GLYCOL THAT HAS BECOME ENTRAINED IN THE GAS AND THEN TO THE ENGINES. THE GLYCOL IS SENT TO THE RECONCENTRATOR WHERE IT IS HEATED TO 200 DEGREES F AND PLACED UNDER A DEEP VACUUM. THE MOISTURE THEN LEAVES THE GLYCOL AND IS CONDENSED OUT AND COLLECTED. THE WATER FROM THE SYSTEM IS SENT TO THE LEACHATE POND. THE OLLEF, WHEN OPERATIONAL, WILL COMBUST ALL THE LFG PRODUCED BY THE LANDFILL. THE OLLEF IS SUBJECT TO 40 CFR 60 SUBPART WWW REQUIREMENTS WHEN COMBUSTING THE LANDFILL GAS IN THE INTERNAL COMBUSTION ENGINES. THE COMBUSTION SOURCES BELONGING TO THE LANDFILL WILL BE USED ONLY WHEN THE OLLEF IS NOT OPERATIONAL. NOTE THAT THE EMISSION CONTROL DEVICES "ENGIN" AND "XXXFL" DO NOT EXIST AS OF THE DATE OF PERMIT ISSUANCE AND ARE INCLUDED TO PROVIDE FLEXIBILITY FOR FUTURE OPERATIONS. THE DEPARTMENT WILL BE NOTIFIED IN WRITING 30 DAYS PRIOR TO CONSTRUCTION OF THESE SOURCES.

Emission Source/Control: ENGIN - Combustion

Emission Source/Control: 002FL - Control
Control Type: FLARING

Emission Source/Control: 003FL - Control
Control Type: FLARING

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

Emission Source/Control: EXPLF - Process

Emission Source/Control: PHS1L - Process
Design Capacity: 66,660 tons

Emission Source/Control: PHS2A - Process



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

Emission Source/Control: PHS2L - Process

Design Capacity: 703,834 tons

Emission Source/Control: PHS3L - Process

Item 77.3(From Mod 1):

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

Emission Unit: 2-LCHST

Process: FGP

Source Classification Code: 5-02-006-02

Process Description:

A LEACHATE POND IS USED TO STORE LEACHATE AT THE FACILITY. THE POND IS NOT COVERED AND EMISSIONS CONSIST OF EVAPORATIVE LOSSES OF LEACHATE.

Emission Source/Control: POND1 - Process

Item 77.4(From Mod 0):

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

Emission Unit: 1-00002

Process: 001

Source Classification Code: 5-02-006-02

Process End Date: 10/7/2003

Process Description:

THE PHASE II AND IIA CLOSED SANITARY LANDFILLS CONTAIN APPROXIMATELY 703,834 TONS OF WASTE PLACED BETWEEN 1980 AND 1992. THE LANDFILLS ARE SEPARATE AND ADJOINING WITH A LOW PERMEABILITY SOIL CAP ON PHASE II AND GEOMEMBRANE CAP ON PHASE IIA. THE PHASE II LANDFILL PRESENTLY HAS NO GAS COLLECTION OR CONTROL SYSTEM. PHASE II LANDFILL HAS ONLY FUGITIVE GAS EMISSIONS. THE PHASE IIA LANDFILL PRESENTLY HAS 12 OPEN PASSIVE CF-5 FLARES CONNECTED TO 19 PRE-EXISTING VERTICAL GAS VENTS WHICH WERE INITIALLY SPACED AT APPROXIMATELY ONE PER ACRE OF CAP. THE DESIGN PROPOSAL FOR AN ACTIVE GAS COLLECTION AND CONTROL SYSTEM OF THE PHASE II/II LANDFILL WILL INCORPORATE THE EXISTING VERTICAL GAS VENTS OF THE PHASE IIA LANDFILL AND INSTALLATION OF VERTICAL GAS EXTRACTION WELLS IN THE PHASE II LANDFILL. ALL VERTICAL VENTS AND EXTRACTION WELLS WILL BE INTERCONNECTED TO A SINGLE VACUUM SOURCE (BLOWER WITH 30 INCHES OF WATER DESIGN CAPACITY) AND

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



ENCLOSED 500 SCFM FLARE.

Emission Source/Control: 02001 - Control
Control Type: FLARING

Emission Source/Control: 02002 - Control
Control Type: FLARING

Emission Source/Control: 02003 - Control
Control Type: FLARING

Emission Source/Control: 02004 - Control
Control Type: FLARING

Emission Source/Control: 02005 - Control
Control Type: FLARING

Emission Source/Control: 02006 - Control
Control Type: FLARING

Emission Source/Control: 02007 - Control
Control Type: FLARING

Emission Source/Control: 02008 - Control
Control Type: FLARING

Emission Source/Control: 02009 - Control
Control Type: FLARING

Emission Source/Control: 02010 - Control
Control Type: FLARING

Emission Source/Control: 02011 - Control
Control Type: FLARING

Emission Source/Control: 02012 - Control
Control Type: FLARING

Emission Source/Control: 020FL - Control
Control Type: FLARING

Emission Source/Control: 02013 - Process
Design Capacity: 703,834 tons

Item 77.5(From Mod 0):

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

Emission Unit: 1-00003

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Process: 002

Source Classification Code: 5-02-006-02

Process End Date: 10/7/2003

Process Description:

THE PHASE III ACTIVE SANITARY LANDFILL HAS ELEVEN CONTINUOUS IGNITION, CF 5 PASSIVE OPEN FLARES EQUIPPED WITH SFI-100 SOLAR IGNITORS (EMISSION POINTS 30001-30011). THESE FLARES ARE SPACED OVER APPROXIMATELY 10.4 ACRES OF CAPPED WASTE WHICH IS THE SIDE SLOPE AREAS OF THE STAGE 1 AND STAGE 2 SECTIONS OF THE PHASE III LANDFILL. EACH FLARE IS CONNECTED TO A PASSIVE VERTICAL GAS EXTRACTION WELL. THESE PASSIVE GAS FLARES PROVIDE GAS EXTRACTION AND CONTROL FOR APPROXIMATELY 395,000 TONS OF THE 1,115,541 TONS OF IN PLACE WASTE.

THE LANDFILL GAS COLLECTION AND CONTROL SYSTEM DESIGN REPORT PROPOSES TO ADD AN ACTIVE LANDFILL GAS COLLECTION AND CONTROL SYSTEM TO THE PHASE III LANDFILL. THE DESIGN REPORT PROPOSES TO ADD BOTH VERTICAL AND HORIZONTAL COLLECTORS INTERCONNECTED AND ROUTED TO A SINGLE BLOWER AND ENCLOSED FLARE. THE BLOWER IS DESIGNED TO OPERATE AT APPROXIMATELY 30 INCHES OF WATER COLUMN WITH A FLARE CAPABLE OF BURNING 3000 SCFM OF LANDFILL GAS. THE SYSTEM WILL EXTRACT GAS FROM THE IN-PLACE 721,000 TONS OF WASTE PRESENTLY NOT CAPPED AND WILL BE EXPANDED TO INCORPORATE ADDITIONAL WASTE AS IT IS PLACED IN THE LANDFILL, UNTIL THE LANDFILL REACHES ITS DESIGN CAPACITY OF 4,845,904 CY. THIS IS AS SPECIFIED IN THE DESCRIPTION OF PROCESS 003 FOR THIS EMISSION UNIT.

PRESENTLY, AS AN INTERMEDIATE MEASURE FOR GAS AND ODOR CONTROL, FOUR HORIZONTAL GAS EXTRACTION LINES INSTALLED IN THE UNCAPPED, IN-PLACE WASTE OF STAGES 2 AND 3 ARE INTERCONNECTED TO A 5 HP BLOWER (OPERATING WITH A VACUUM BETWEEN 20 AND 60 INCHES OF WATER) AND AN LTI UF40 OPEN FLARE WITH A 1500 SCFM DESIGN CAPACITY. AS A PROPOSED REVISION TO THE SYSTEM DESIGN, THE ACTIVE FLARE AND THE ELEVEN PASSIVE FLARES WILL BE REPLACED AS A PART OF THE PROPOSED ACTIVE

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



LANDFILL GAS COLLECTION AND CONTROL
SYSTEM.

Emission Source/Control: 03001 - Control
Control Type: FLARING

Emission Source/Control: 03002 - Control
Control Type: FLARING

Emission Source/Control: 03003 - Control
Control Type: FLARING

Emission Source/Control: 03004 - Control
Control Type: FLARING

Emission Source/Control: 03005 - Control
Control Type: FLARING

Emission Source/Control: 03006 - Control
Control Type: FLARING

Emission Source/Control: 03007 - Control
Control Type: FLARING

Emission Source/Control: 03008 - Control
Control Type: FLARING

Emission Source/Control: 03009 - Control
Control Type: FLARING

Emission Source/Control: 03010 - Control
Control Type: FLARING

Emission Source/Control: 03011 - Control
Control Type: FLARING

Emission Source/Control: 030PF - Control
Control Type: FLARING

Emission Source/Control: 03013 - Process
Design Capacity: 4,845,904 cubic yards

Item 77.6(From Mod 0):

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

Emission Unit: 1-00003

Process: 003

Process End Date: 10/7/2003

Source Classification Code: 5-02-006-10

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Process Description:

THE LANDFILL GAS COLLECTION AND CONTROL SYSTEM DESIGN REPORT PROPOSES TO ADD AN ACTIVE LANDFILL GAS COLLECTION AND CONTROL SYSTEM TO THE PHASE III LANDFILL. THE DESIGN REPORT PROPOSES TO ADD BOTH VERTICAL AND HORIZONTAL COLLECTORS INTERCONNECTED TO A SINGLE BLOWER AND ENCLOSED FLARE. THE BLOWER IS DESIGNED TO OPERATE AT APPROXIMATELY 30 INCHES OF WATER COLUMN WITH THE FLARE CAPABLE OF HANDLING 3,000 SCFM OF LANDFILL GAS. THE SYSTEM WILL EXTRACT GAS FROM THE IN PLACE 721,000 TONS OF WASTE PRESENTLY NOT CAPPED AND WILL BE EXPANDED TO INCORPORATE ADDITIONAL WASTE AS IT IS PLACED IN THE LANDFILL, UNTIL THE LANDFILL REACHES ITS DESIGN CAPACITY OF 4,845,904 CY.

Emission Source/Control: 03012 - Control
Control Type: FLARING

Emission Source/Control: 03013 - Process
Design Capacity: 4,845,904 cubic yards

Condition 1-44: Recordkeeping requirements.

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-44.1:

This Condition applies to Emission Unit: 1-LANDF

Item 1-44.2:

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

Condition 1-45: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-45.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LANDF

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Item 1-45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected owners or operators shall submit an excess emissions report semi-annually based on the calendar year (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be postmarked no later than 30 calendar days following the end of the reporting period, and shall contain the following information:

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero span checks and the nature of the system repairs or adjustments; and
- 4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-46: Excess Emissions Report

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-46.1:

This Condition applies to Emission Unit: 1-LANDF



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

Item 1-46.2:

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

Condition 1-47: Facility files for subject sources.

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-47.1:

This Condition applies to Emission Unit: 1-LANDF

Item 1-47.2:

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 evaluations; all continuous monitoring system or 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 inspection. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 1-48: Availability of information.

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 40CFR 60.9, NSPS Subpart A

Item 1-48.1:

This Condition applies to Emission Unit: 1-LANDF

Item 1-48.2:

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

Condition 1-49: Compliance with Standards and Maintenance Requirements

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-49.1:

This Condition applies to Emission Unit: 1-LANDF

Item 1-49.2:

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,

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



and inspection of the source

Condition 1-50: Circumvention.

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 1-50.1:

This Condition applies to Emission Unit: 1-LANDF

Item 1-50.2:

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 1-51: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

WWW

Item 1-51.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LANDF

Regulated Contaminant(s):

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

Item 1-51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of the landfill shall test the control device to verify that the outlet concentration of NMOC from the device is less than 20 parts per million by volume (dry, as hexane, at 3% oxygen), or the owner or operator of the landfill shall test the emissions from the control device to determine that the device is reducing the emission of NMOC by 98% (by weight). Refer to 40 CFR 60.754(d) for the specified test methods.

Parameter Monitored: NMOC - LANDFILL USE ONLY

Upper Permit Limit: 98 percent reduction by weight

Reference Test Method: Method 18, 25 or 25c



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-52: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

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

WWW

Item 1-52.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LANDF

Regulated Contaminant(s):

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

Item 1-52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of the landfill shall test the control device to verify that the outlet concentration of NMOC from the device is less than 20 parts per million by volume (dry, as hexane, at 3% oxygen), or the owner or operator of the landfill shall test the emissions from the control device to determine that the device is reducing the emission of NMOC by 98% (by weight). Refer to 40 CFR 60.754(d) for the specified test methods.

Parameter Monitored: NMOC - LANDFILL USE ONLY

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

Reference Test Method: Method 18, 25 or 25c

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-53: Performance test methods.

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-53.1:

Air Pollution Control Permit Conditions



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

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

Item 1-53.2:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in this part or by alternative methods and procedures approved by the Administrator.

Condition 1-54: Required performance test information.

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-54.1:

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

Item 1-54.2:

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

Condition 1-55: Prior notice.

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-55.1:

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

Item 1-55.2:

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

Condition 1-56: Performance testing facilities.

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-56.1:

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

Item 1-56.2:

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;

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

Condition 1-57: Number of required tests.

Effective between the dates of 06/25/2004 and 05/07/2006

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

Item 1-57.1:

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

Item 1-57.2:

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

Condition 1-58: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 1-58.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LANDF
Process: GAS Emission Source: 002FL

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

Item 1-58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Emissions of solid particulates 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.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



the emission source to determine whether or not visible emissions are present following the guidelines similar to EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made once per day while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. If visible emissions are observed for two consecutive days, a Method 9 visible emissions test must be conducted by a certified observer. If the Method 9 test determines that the opacity is less than 20%, observations of the stack in question shall be used to determine that the opacity of these emissions remain less than 20%.

The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-59: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 1-59.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LANDF

Process: GAS

Emission Source: 002FL

Item 1-59.2:

Compliance Certification shall include the following monitoring:

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



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

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. Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions when the process is in operation. If any visible emissions are identified, corrective action is required. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-60: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 1-60.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LANDF

Process: GAS Emission Source: 003FL

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates 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.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines similar to EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made once per day while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. If visible emissions are observed for two consecutive days, a Method 9 visible emissions test must be conducted by a certified observer. If the Method 9 test determines that the opacity is less than 20%, observations of the stack in question shall be used to determine that the opacity of these emissions remain less than 20%.

The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 1-61: Compliance Certification

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 1-61.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-LANDF

Process: GAS

Emission Source: 003FL

Item 1-61.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



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

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. Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions when the process is in operation. If any visible emissions are identified, corrective action is required. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: 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 1-62: Contaminant List

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable State Requirement: ECL 19-0301

Item 1-62.1:

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

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



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

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

CAS No: 000074-82-8
Name: METHANE

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

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

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

Condition 1-63: Unavoidable noncompliance and violations
Effective between the dates of 06/25/2004 and 05/07/2006

Applicable State Requirement: 6NYCRR 201-1.4

Item 1-63.1:

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



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

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.

(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 1-64: Capping Monitoring Condition

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable State Requirement: 6NYCRR 201-7.2

Item 1-64.1:

This condition contains the following regulations that have been capped under the authority of 6NYCRR Part 201-7. Please note that this capping condition may be both federally and state enforceable.

40CFR 52-A.21

Item 1-64.2:

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

Item 1-64.3:

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

Item 1-64.4:

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



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

Item 1-64.5:

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

Item 1-64.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-64.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

To remain below PSD applicability thresholds, emissions of carbon monoxide are capped below 250 tons per year for the Phase III expansion landfill, on a rolling twelve month basis. Emission factors developed during stack testing will be used to calculate monthly emissions.

Stack testing shall be completed within 180 days of issuance of the permit, or within 180 days of completion of construction/installation and startup of a new type of combustion source.

Please note: if emissions from the Phase III expansion landfill exceed PSD thresholds for a major source at any time, the Phase III expansion will be subject to PSD retroactively.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 250 tons per year

Reference Test Method: EPA Method 10

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Condition 1-65: Capping Monitoring Condition

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable State Requirement: 6NYCRR 201-7.2

Item 1-65.1:

This condition contains the following regulations that have been capped under the authority of 6NYCRR Part 201-7. Please note that this capping condition may be both federally and state enforceable.

40CFR 52-A.21

Item 1-65.2:

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

Item 1-65.3:

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

Item 1-65.4:

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

Item 1-65.5:

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

Item 1-65.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-65.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

To remain below PSD applicability thresholds, emissions of carbon monoxide are capped below 250 tons per year for the Phase I, II, IIA and III landfills, on a rolling twelve month basis. Emission factors developed during stack testing will be used to calculate monthly emissions.

Stack testing shall be completed within 180 days of issuance of the permit, or within 180 days of completion of construction/installation and startup of a new type of combustion source.

Please note: if emissions from Phase I, II, IIA, and III landfills exceed PSD thresholds for a major source at any time, the Phase III expansion will be subject to PSD retroactively.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: LANDFILL GAS
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 250 tons per year
Reference Test Method: EPA Method 10
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 1-66: Capping Monitoring Condition

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable State Requirement: 6NYCRR 201-7.2

Item 1-66.1:

This condition contains the following regulations that have been capped under the authority of 6NYCRR Part 201-7. Please note that this capping condition may be both federally and state enforceable.

6NYCRR 231-2

Item 1-66.2:

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

Item 1-66.3:

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 1-66.4:

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

Item 1-66.5:

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

Item 1-66.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 1-66.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

To remain below NSR applicability thresholds, emissions of oxides of nitrogen are capped below 100 tons per year for the Phase III expansion landfill, on a rolling twelve month basis. Emission factors developed during stack testing will be used to calculate monthly emissions.

Stack testing shall be completed within 180 days of issuance of the permit, or within 180 days of completion of construction/installation and startup of a new type of combustion source.

Please note: if emissions from Phase III expansion landfill exceed NSR thresholds for a major source at any time, the Phase III expansion will be subject to NSR retroactively.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: OXIDES OF NITROGEN



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

Upper Permit Limit: 100 tons per year
Reference Test Method: EPA Method 7E
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 1-67: Capping Monitoring Condition
Effective between the dates of 06/25/2004 and 05/07/2006

Applicable State Requirement: 6NYCRR 201-7.2

Item 1-67.1:

This condition contains the following regulations that have been capped under the authority of 6NYCRR Part 201-7. Please note that this capping condition may be both federally and state enforceable.

6NYCRR 231-2

Item 1-67.2:

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

Item 1-67.3:

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

Item 1-67.4:

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

Item 1-67.5:

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

Item 1-67.6:

The Compliance Demonstration activity will be performed for the Facility.

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

New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004



Item 1-67.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

To remain below NSR applicability thresholds, emissions of oxides of nitrogen are capped below 100 tons per year for the Phase I, II, IIA and III landfills, on a rolling twelve month basis. Emission factors developed during stack testing will be used to calculate monthly emissions.

Stack testing shall be completed within 180 days of issuance of the permit, or within 180 days of completion of construction/installation and startup of a new type of combustion source.

Please note: if emissions from Phase I, II, IIA, and III landfills exceed NSR thresholds for a major source at any time, the Phase III expansion will be subject to NSR retroactively.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 100 tons per year

Reference Test Method: EPA Method 7E

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 95: Air pollution prohibited

Effective between the dates of 05/07/2001 and 05/07/2006

Applicable State Requirement: 6NYCRR 211.2

Item 95.1:

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



New York State Department of Environmental Conservation

Permit ID: 8-3244-00004/00007

Facility DEC ID: 8324400004

combination with others.

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

Condition 1-68: Process Permissible Emissions

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable State Requirement: 6NYCRR 201-7.2

Item 1-68.1:

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

Emission Unit: 1-LANDF Process: GAS

CAS No: 000630-08-0 (From Mod 1)

Name: CARBON MONOXIDE

PTE(s): 57.08 pounds per hour

499,999 pounds per year

CAS No: 0NY210-00-0 (From Mod 1)

Name: OXIDES OF NITROGEN

PTE(s): 22.83 pounds per hour

22.83 pounds per year

Condition 1-69: Emissions from new emission sources and/or modifications

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable State Requirement: 6NYCRR 212.4(a)

Item 1-69.1:

This Condition applies to Emission Unit: 1-LANDF

Item 1-69.2:

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 Part 212 for the environmental rating issued by the commissioner.

Condition 1-70: Emissions from new emission sources and/or modifications

Effective between the dates of 06/25/2004 and 05/07/2006

Applicable State Requirement: 6NYCRR 212.4(a)

Item 1-70.1:

This Condition applies to Emission Unit: 2-LCHST



Item 1-70.2:

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 Part 212 for the environmental rating issued by the commissioner.