

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2649900029**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 2-6499-00029/00151  
Effective Date: 08/16/2006 Expiration Date: 08/15/2011

Permit Issued To: NYC DEPT OF SANITATION  
125 WORTH ST  
NEW YORK, NY 10013-4006

Contact: TED R NABAVI  
NYC DEPT OF SANITATION  
44 BEAVER ST 9TH FL  
NEW YORK, NY 10004  
(917) 237-5958

Facility: STATEN ISLAND LANDFILL  
RICHMOND AVE  
STATEN ISLAND, NY 10314

Contact: TED R NABAVI  
NYC DEPT OF SANITATION  
44 BEAVER ST 9TH FL  
NEW YORK, NY 10004  
(917) 237-5958

**Description:**

This facility is a municipal solid waste landfill operated by the New York City Department of Sanitation (NYCDOS). The landfill occupies approximately 2,200 acres along the Fresh Kills estuary on Staten island. Closed in December 2001, it continues to generate methane containing landfill gas (LFG) from the anaerobic degradation of solid waste. Six (6) LFG flares installed at the landfill are currently operated by GSF Energy LLC. Each flare has a design capacity of 5,000 scfm. In addition to the flares, there is an existing LFG processing facility consisting of the Selexol LFG recovery plant, which is operated by GSF Energy LLC. The flares are operated in conjunction with the LFG processing facility to control LFG emissions.

In addition to the closed landfill, the facility also consists of two (2) landfill leachate treatment plants, three (3) landfill vehicle maintenance and repair garages, a rock crushing and screening operation, a yard waste composting facility, and two (2) refueling stations for landfill vehicles.

The two (2) landfill leachate treatment plants are adjacent to each other and are operated by Roy F. Weston, Inc. The plants have a combined capacity of 1,050,000 gallons per day. Landfill leachate contains ammonia and low levels of volatile organic compounds. The leachate is treated using sequencing batch reactors, clarifiers, pH adjustment, and sand filters and is then discharged to a surface water at the



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landfill under a State Pollutant Discharge and Elimination System (SPDES) permit.

The three (3) garages are operated by NYCDOS and are equipped with boilers with ratings ranging from 2.8 to 10.5 MMBTU/hr. The boilers are fired by Number 2 fuel oil or natural gas. The garages also include machine shops, a forge shop, carpenter shops, and welding areas. Aboveground and underground storage tanks that range in size from 275 to 20,000 gallons are located at the landfill and contain gasoline, diesel fuel, Number 2 fuel oil, hydraulic oil, motor oil, antifreeze, and waste oil.

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:            JOHN F CRYAN  
   DIVISION OF ENVIRONMENTAL PERMITS  
   ONE HUNTERS POINT PLAZA, 47-40 21ST STREET  
   LONG ISLAND CITY, NY 11101-5407

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

Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal-REGION 2

HEADQUARTERS



**DEC GENERAL CONDITIONS**

**\*\*\*\* General Provisions \*\*\*\***

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

**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

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

**Condition 3: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**



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

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

**Item 4.1:**

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.

**\*\*\*\* Facility Level \*\*\*\***

**Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 2 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 2 Headquarters  
Division of Environmental Permits  
1 Hunters Point Plaza, 4740 21st Street  
Long Island City, NY 11101-5407  
(718) 482-4997



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

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: NYC DEPT OF SANITATION  
125 WORTH ST  
NEW YORK, NY 10013-4006

Facility: STATEN ISLAND LANDFILL  
RICHMOND AVE  
STATEN ISLAND, NY 10314

Authorized Activity By Standard Industrial Classification Code:  
4953 - REFUSE SYSTEMS  
7699 - REPAIR SERVICES, NEC

Permit Effective Date: 08/16/2006

Permit Expiration Date: 08/15/2011



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 18 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 19 6NYCRR 202-1.1: Required Emissions Tests
- 20 6NYCRR 211.3: Visible Emissions Limited
- 21 40CFR 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6NYCRR 201-6: Emission Unit Definition
- 25 6NYCRR 208.3(b)(2)(v): Active Collection System - Removal
- 26 6NYCRR 208.4(a): Collection system for waste-in-place for 2 or 5 years
- 27 6NYCRR 208.4(b): Compliance Certification
- 28 6NYCRR 208.4(c): Compliance Certification
- 29 6NYCRR 208.4(c): Compliance Certification
- 30 6NYCRR 208.4(c): Compliance Certification
- 31 6NYCRR 208.4(d): Compliance Certification
- 32 6NYCRR 208.4(e): Vent Collected Gas to Control System
- 33 6NYCRR 208.4(f): Control System
- 34 6NYCRR 208.4(g): Corrective Action
- 24 6NYCRR 208.5(b): System NMOC Emission Rate
- 35 6NYCRR 208.7(a): Compliance Certification
- 36 6NYCRR 208.7(b): Monitoring of Operations - Enclosed Combustor
- 37 6NYCRR 208.8(f): Compliance Certification
- 38 6NYCRR 208.8(g): Reporting Requirements
- 39 6NYCRR 208.9(a): Compliance Certification



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- 40 6NYCRR 208.9(b): Compliance Certification
- 41 6NYCRR 208.9(c): Compliance Certification
- 42 6NYCRR 208.9(d): Compliance Certification
- 43 6NYCRR 208.9(e): Compliance Certification
- 44 6NYCRR 212: Compliance Certification
- 45 6NYCRR 212: Compliance Certification
- 46 6NYCRR 231-2.4: Emission offset requirements - CO ERCs
- 47 6NYCRR 231-2.4: Emission offset requirements - NOx ERCs
- 48 40CFR 52.21, Subpart A: Compliance Certification
- 49 40CFR 52.21, Subpart A: Compliance Certification
- 50 40CFR 52.21, Subpart A: Compliance Certification
- 51 40CFR 52.21, Subpart A: Compliance Certification
- 52 40CFR 52.21, Subpart A: Compliance Certification

**Emission Unit Level**

- 53 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 54 6NYCRR 201-6: Process Definition By Emission Unit

**EU=U-00003**

- 55 6NYCRR 208.3(b)(2)(iii)(b): Compliance Certification
- 56 6NYCRR 208.3(b)(2)(iii)(b): Compliance Certification
- 57 6NYCRR 231-2: Compliance Certification
- 58 6NYCRR 231-2: Compliance Certification
- 59 40CFR 52.21, Subpart A: Compliance Certification

**EU=U-00003,Proc=A31**

- 60 6NYCRR 212.6(a): Compliance Certification
- 61 6NYCRR 212.10: Compliance Certification
- 62 6NYCRR 212.10: Compliance Certification

**EU=U-00004,Proc=A41**

- 63 6NYCRR 231-2: Compliance Certification
- 64 6NYCRR 231-2: Compliance Certification
- 65 40CFR 52.21, Subpart A: Compliance Certification
- 66 40CFR 52.21, Subpart A: Compliance Certification
- 67 40CFR 52.21, Subpart A: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 68 ECL 19-0301: Contaminant List
- 69 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 70 6NYCRR 211.2: Air pollution prohibited



**FEDERALLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

**Item A: Emergency Defense - 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 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 B: 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



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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 C: 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 D: 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 E: 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 F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission 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 G: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR 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

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order to maintain compliance with the conditions of this permit.

**Item H: 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 I: 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 J: 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

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Act;

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

**Item K: Reopening for Cause - 6 NYCRR 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



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

**Item L: Permit Exclusion - ECL 19-0305**

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 1.1:**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit



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any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Condition 2: Fees**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(7)**

**Item 2.1:**

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

**Condition 3: Recordkeeping and reporting of compliance monitoring**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 3.1:**

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

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

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

**Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 4.1:**

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable



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regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 5: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 60 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

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

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

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(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. 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.

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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 Compliance Monitoring and Enforcement (BCME) 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 10/30/2006.  
Subsequent reports are due every 6 calendar month(s).

**Condition 6: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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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:

USEPA Region 2



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

The address for the RAPCE is as follows:

Hunters Point Plaza  
47-40 21st Street  
Long Island City, NY 11101-5407

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 10/30/2006.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 202-2.1**

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

**Item 7.2:**  
Compliance Certification shall include the following monitoring:

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

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



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**Condition 8: Recordkeeping requirements**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 202-2.5**

**Item 8.1:**

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

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

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

**Condition 9: Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 215**

**Item 9.1:**

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

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

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

**Condition 10: Maintenance of Equipment**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 10.1:**

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



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**Condition 11: Recycling and Salvage**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 201-1.7**

**Item 11.1:**

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 the ECL.

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 201-1.8**

**Item 12.1:**

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

**Condition 13: Exempt Sources - Proof of Eligibility**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 13.1:**

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 this Subpart. 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 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.

**Condition 14: Trivial Sources - Proof of Eligibility**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 14.1:**

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. 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 this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

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**Condition 15: Standard Requirement - Provide Information**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(4)**

**Item 15.1:**

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

**Condition 16: General Condition - Right to Inspect**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(8)**

**Item 16.1:**

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

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 17: Standard Requirements - Progress Reports**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 201-6.5(d)(5)**

**Item 17.1:**

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



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(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

**Condition 18: Off Permit Changes**

**Effective between the dates of 08/16/2006 and 08/15/2011**

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

**Item 18.1:**

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

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

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

**Condition 19: Required Emissions Tests**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 202-1.1**

**Item 19.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

**Condition 20: Visible Emissions Limited**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 211.3**

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**Item 20.1:**

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

**Condition 21: Accidental release provisions.**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 68**

**Item 21.1:**

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

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

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

**Condition 22: Recycling and Emissions Reduction**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 82, Subpart F**

**Item 22.1:**

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

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



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**Condition 23: Emission Unit Definition**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 201-6**

**Item 23.1:**

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

Emission Unit: U-00001

Emission Unit Description:

The Veterans Avenue Leachate Treatment Plant with a design capacity of 150,000 gallons per day.

Building(s): VALTP1  
VALTP1/2  
VALTP2

**Item 23.2:**

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

Emission Unit: U-00002

Emission Unit Description:

The Fresh Kills Leachate Treatment PLant (FKLTP) with a design capacity of 900,000 gallons per day.

Building(s): FKLTP1  
FKLTP1/2  
FKLTP2

**Item 23.3:**

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

Emission Unit: U-00003

Emission Unit Description:

Six enclosed landfill gas flares with a design capacity of 5,000 scfm per flare (30,000 scfm total) and fugitive landfill gas emissions from the landfill.

**Item 23.4:**

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

Emission Unit: U-00004

Emission Unit Description:

This emission unit includes the existing landfill gas processing Plant #1 (Selexol process).

Building(s): GSF1  
PP1

**Condition 25: Active Collection System - Removal**



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**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.3(b)(2)(v)**

**Item 25.1:**

The collection and control system may be capped or removed provided that all of the following conditions are met:

- the landfill will no longer accept solid waste and be permanently closed under the requirements of Part 360;
- the collection and control system must have been in operation a minimum of 15 years; and
- the calculated NMOC emission rate must be less than 50 megagrams per year on three successive test dates. The test dates must be no less than 90 days apart and no more than 180 days apart.

**Condition 26: Collection system for waste-in-place for 2 or 5 years**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.4(a)**

**Item 26.1:**

The owner or operator of this landfill gas collection system will operate the collection system such that gas is collected from each area, cell or group of cells in the landfill in which solid waste has been in place for 5 years or more if active or 2 years or more if inactive

**Condition 27: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.4(b)**

**Item 27.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The collection system shall be operated with a 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 6 NYCRR Part 208.8.



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2. The use of a geomembrane or 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. All design changes shall be approved by the Department.

If monitoring demonstrates that the operational requirements are not met, corrective action shall be taken as specified in 6 NYCRR Part 208.6(a)(3) through (5). If corrective actions are taken as specified in 6 NYCRR Part 208.6, the monitored exceedance is not a violation of the operational requirements in this section, however the permittee shall report these episodes as deviations.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: LANDFILL GAS  
Parameter Monitored: PRESSURE  
Upper Permit Limit: 0 pounds per cubic inch  
Monitoring Frequency: MONTHLY  
Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2006.  
Subsequent reports are due every 6 calendar month(s).

**Condition 28: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.4(c)**

**Item 28.1:**  
The Compliance Certification activity will be performed for the Facility.

**Item 28.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:  
Each interior wellhead in the collection system shall be operated with a nitrogen level in the landfill gas less than 20%. The owner or operator may establish a higher operating nitrogen level at a particular well. A higher



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operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.

If monitoring demonstrates that the operational requirements are not met, corrective action shall be taken as specified in 6 NYCRR Part 208.6(a)(3) through (5). If corrective actions are taken as specified in 6 NYCRR Part 208.6, the monitored exceedance is not a violation of the operational requirements in this section, however the permittee shall report these episodes as deviations.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: NITROGEN CONTENT

Upper Permit Limit: 20 percent

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 29: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.4(c)**

**Item 29.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 29.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

If monitoring demonstrates that the operational



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requirements are not met, corrective action shall be taken as specified in 6 NYCRR Part 208.6(a)(3) through (5). If corrective actions are taken as specified in 6 NYCRR Part 208.6, the monitored exceedance is not a violation of the operational requirements in this section, however the permittee shall report these episodes as deviations.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: LANDFILL GAS  
Parameter Monitored: OXYGEN CONTENT  
Upper Permit Limit: 5 percent  
Monitoring Frequency: MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2006.  
Subsequent reports are due every 6 calendar month(s).

**Condition 30: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.4(c)**

**Item 30.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 30.2:**

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.

If monitoring demonstrates that the operational requirements are not met, corrective action shall be taken as specified in 6 NYCRR Part 208.6(a)(3) through (5). If corrective actions are taken as specified in 6 NYCRR Part 208.6, the monitored exceedance is not a violation of the operational requirements in this section, however the permittee shall report these episodes as deviations.



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Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: LANDFILL GAS  
Parameter Monitored: TEMPERATURE  
Upper Permit Limit: 55 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 10/30/2006.  
Subsequent reports are due every 6 calendar month(s).

**Condition 31: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.4(d)**

**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: AMBIENT AIR MONITORING

Monitoring Description:

The collection system will be operated so that the methane concentration is less than 500 ppm above background on the surface of the landfill. The owner or operator will conduct surface testing around the perimeter of the collection area 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. Areas with steep slopes or other dangerous areas may be excluded from the surface testing. A surface monitoring design plan will be developed that includes a topographical map with the monitoring route. This plan will be submitted to the Department for review and approval within 60 days of the issuance of this permit.

If monitoring demonstrates that the operational requirements are not met, corrective action shall be taken as specified in 6 NYCRR Part 208.6(c). If corrective actions are taken as specified in 6 NYCRR Part 208.6(c)(4), the monitored exceedance is not a violation of the operational requirements in this section, however the permittee shall report these episodes as deviations.



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Parameter Monitored: METHANE  
Upper Permit Limit: 500 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 10/30/2006.  
Subsequent reports are due every 6 calendar month(s).

**Condition 32: Vent Collected Gas to Control System**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.4(e)**

**Item 32.1:**

Operate the system such that all collected gases are vented to a control system designed and operated in compliance with 6 NYCRR Part 208.3(b)(2)(iii). In the event the collection or control system is inoperable, the gas mover system will be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere will be closed within one hour.

**Condition 33: Control System**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.4(f)**

**Item 33.1:**

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

**Condition 34: Corrective Action**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.4(g)**

**Item 34.1:**

If monitoring demonstrates that the operational requirements in 6 NYCRR Part 208.4(b), (c) or (d) are not met, corrective action will be taken as specified in 6 NYCRR Part 208.6(a)(3)-(5). If corrective actions are taken as specified in 6 NYCRR Part 208.6, the monitored exceedance is not a violation of the operational requirements.

**Condition 24: System NMOC Emission Rate**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.5(b)**

**Item 24.1:**

After installation of a collection and control system, the owner or operator will calculate the NMOC emission rate, for the purposes of determining when the system can be removed, using the following



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equation:

$M_{\text{NMOC}} = 1.89 \times 10^{-3} (Q_{\text{LFG}})(C_{\text{NMOC}})$ ; where  $M_{\text{NMOC}}$  = mass emission rate of NMOC (megagrams/year),  $Q_{\text{LFG}}$  (the flow of landfill gas to the system) is 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 and the concentration of NMOC ( $C_{\text{NMOC}}$ ) is determined by collecting and analyzing landfill gas using the procedures in Method 25, 25C or Method 18 of Appendix A of 40 CFR Part 60. The system may be removed if the NMOC emission rate drops below 50 megagrams per year.

**Condition 35: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.7(a)**

**Item 35.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator seeking to comply with 6 NYCRR Part 208.3(b)(2)(ii)('a') with 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, as provided in 6 NYCRR Part 208.6(a)(3); and
2. Monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as provided in 6 NYCRR Part 208.6(a)(5); and
3. Monitor temperature of the landfill gas on a monthly basis as provided in 6 NYCRR Part 208.6(a)(5).

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 36: Monitoring of Operations - Enclosed Combustor**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.7(b)**

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**Item 36.1:**

If an enclosed combustor is used to control landfill gas at the facility, the owner or operator will calibrate, maintain and operate, according to the manufacturer's specifications, the following equipment:

1. A temperature monitoring device with a continuous recorder and having a minimum accuracy of  $\pm 1\%$  of the temperature being measured; and
2. A device the records flow to, or bypass of, the control device.

**Condition 37: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.8(f)**

**Item 37.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 37.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator of a landfill seeking to comply with 6 NYCRR Part 208.3(b)(2) using an active collection system designed in accordance with 6 NYCRR Part 208.3(b)(2)(ii) shall submit to the Department annual reports of the recorded information in paragraphs (1) 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 6 NYCRR Part 208.9(c).

- 1) Value and length of time for exceedance of applicable parameters monitored under 6 NYCRR Part 208.7(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 6 NYCRR Part 208.7.
- 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



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operating in excess of 5 days.

5) The location of each exceedance of the 500 parts per million methane concentration as provided in 6 NYCRR Part 208.4(c) 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 6 NYCRR Part 208.6(a)(3), 208.6(b) and 208.6(c)(4).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 38: Reporting Requirements**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.8(g)**

**Item 38.1:**

Each owner or operator seeking to comply with 6 NYCRR Part 208.3(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 39: Compliance Certification**



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**Applicable Federal Requirement: 6NYCRR 208.9(a)**

**Item 39.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as provided in 6 NYCRR Part 208.3(b)(3)(i)(a), each owner or operator of an MSW landfill subject to the provisions of 6 NYCRR Part 208.3(b) shall keep for at least 7 years up-to-date, readily accessible, on-site records of the maximum design capacity report which triggered 6 NYCRR Part 208.3(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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 40: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.9(b)**

**Item 40.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 40.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as provided in 6 NYCRR Part 208.3(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) and (2) below as measured during the initial performance test or compliance determination. Records of subsequent tests



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or monitoring shall be maintained for a minimum of 7 years. Records of the control device vendor specifications shall be maintained until removal.

1) Where an owner or operator seeks to demonstrate compliance with 6 NYCRR Part 208.3(b)(2)(ii):

i) The maximum expected gas generation flow rate as calculated in 6 NYCRR Part 208.6(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 Department.

ii) The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 6 NYCRR Part 208.10(a)(1)).

2) Where an owner or operator seeks to demonstrate compliance with 6 NYCRR Part 208.3(b)(2)(iii) 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 presence of ignition spark if an electronic ignition system is used for the flare, or flare flame monitoring and records of all periods of operations during which the pilot flame of the flare flame is absent.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 41: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.9(c)**

**Item 41.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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**Monitoring Description:**

Except as provided in 6 NYCRR Part 208.3(b)(2)(i)(b'), each owner or operator of a controlled landfill shall keep for 7 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in 6 NYCRR Part 208.7) 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.

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 6 NYCRR Part 208.7.

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, or the presence of ignition spark if an electronic ignition system is used, specified under 6 NYCRR Part 208.7(c), and up-to-date, readily accessible records of all periods of operation in which the flame or flare pilot flame is absent.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 42: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.9(d)**

**Item 42.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as provided in 6 NYCRR Part 208.3(b)(2)(i)(b'), each owner or operator shall keep for the life of the



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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 6 NYCRR Part 208.6(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 6 NYCRR Part 208.10(a)(3)(i) as well as any nonproductive areas excluded from collection as provided in 6 NYCRR Part 208.10(a)(3)(ii).

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 43: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.9(e)**

**Item 43.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as provided in 6 NYCRR Part 208.3(b)(2)(i)(b), each owner or operator shall keep for at least 7 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in 6 NYCRR Part 208.4, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.



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

**Condition 44: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 212**

**Item 44.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 44.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The total volume of gas pumped from the landfill sections  
will be monitored and recorded daily and will not exceed  
47,128,320 cubic feet per day.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: VOLUMETRIC FLOW RATE

Upper Permit Limit: 47,128,320 cubic feet per day

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 45: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 212**

**Item 45.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00003

**Item 45.2:**

Compliance Certification shall include the following monitoring:



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

Monitoring Description:

When the gas treatment plants are in operation, the volume of landfill gas directed to the flares shall not exceed 19,284,000 standard cubic feet per day, unless in doing so the total landfill gas processed and combusted does not exceed 47,100,000 standard cubic feet per day. The applicant shall install, maintain and operate gas flow meters at the flares and the gas treatment facility. The applicant shall take daily readings of the landfill gas sent to the flares and the gas treatment facility.

Process Material: LANDFILL GAS  
 Parameter Monitored: VOLUMETRIC FLOW RATE  
 Upper Permit Limit: 19,284,000 cubic feet per day  
 Monitoring Frequency: CONTINUOUS  
 Averaging Method: 24-HOUR AVERAGE  
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 10/30/2006.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 46: Emission offset requirements - CO ERCs**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 231-2.4**

Item 46.1:

To satisfy the emission offset requirements of Part 231, the facility has obtained CO Emission Reduction Credits (ERCs) from the following sources:

Facility Name	DEC ID	ERCs (tpy)
Betts Avenue Municipal Incinerator	2-6304-00093	486.6

**Condition 47: Emission offset requirements - NOx ERCs**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 231-2.4**

Item 47.1:

To satisfy the emission offset requirements of Part 231, the facility has obtained NOx, Emission Reduction Credits (ERCs) from the following sources:

Facility Name	DEC ID	ERCs (tpy)
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Greenpoint Municipal Incinerator	2-6101-00022	81.8
Betts Avenue Incinerator	2-6304-00093	80.2

**Condition 48: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 48.1:**

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

Emission Unit: U-00003

Emission Unit: U-00004

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

**Item 48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

The combination of secondary (combustion) emissions from the landfill gas collection, flaring system and gas recovery plants (emission units U0003 and U0004) at the Staten island Landfill, will not exceed the limits specified in the July 1998 Landfill Gas Collection and Flaring Systems permit (DEC Permit 2-6403-00011/00063). The emissions of carbon monoxide from the facility shall not exceed 486.6 tons per year.

Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 486.6 tons per year  
Reference Test Method: EPA Method 10B  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2006.  
Subsequent reports are due every 12 calendar month(s).

**Condition 49: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**



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**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 49.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00003

Emission Unit: U-00004

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 49.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The combination of secondary (combustion) emissions from the landfill gas collection, flaring system and gas recovery plants (emission units U0003 and U0004) at the Staten island Landfill, will not exceed the limits specified in the July 1998 Landfill Gas Collection and Flaring Systems permit (DEC Permit 2-6403-00011/00063). The emissions of sulfur dioxide from the facility shall not exceed 119.4 tons per year.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 119.4 tons per year

Reference Test Method: EPA Method 6

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 50: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 50.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00003

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Emission Unit: U-00004

Regulated Contaminant(s):

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

**Item 50.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The combination of secondary (combustion) emissions from the landfill gas collection, flaring system and gas recovery plants (emission units U0003 and U0004) at the Staten island Landfill, will not exceed the limits specified in the July 1998 Landfill Gas Collection and Flaring Systems permit (DEC Permit 2-6403-00011/00063). The emissions of non-methane organic compounds (NMOC) from the facility shall not exceed 45.5 tons per year.

Parameter Monitored: NMOC - LANDFILL USE ONLY

Upper Permit Limit: 45.5 tons per year

Reference Test Method: EPA Method 25 or 25a

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 51: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 51.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00003

Emission Unit: U-00004

Regulated Contaminant(s):

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

**Item 51.2:**



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Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The combination of secondary (combustion) emissions from the landfill gas collection, flaring system and gas recovery plants (emission units U0003 and U0004) at the Staten island Landfill, will not exceed the limits specified in the July 1998 Landfill Gas Collection and Flaring Systems permit (DEC Permit 2-6403-00011/00063). The emissions of inhalable particulates (PM-10) from the facility shall not exceed 265.8 tons per year.

Parameter Monitored: PM-10

Upper Permit Limit: 265.8 tons per year

Reference Test Method: EPA Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 52: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 52.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00003

Emission Unit: U-00004

Regulated Contaminant(s):

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

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The combination of secondary (combustion) emissions from the landfill gas collection, flaring system and gas recovery plants (emission units U0003 and U0004) at the



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Staten island Landfill, will not exceed the limits specified in the July 1998 Landfill Gas Collection and Flaring Systems permit (DEC Permit 2-6403-00011/00063). The emissions of oxides of nitrogen from the facility shall not exceed 381.8 tons per year.

Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 381.8 tons per year  
Reference Test Method: EPA Method 7e  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2006.  
Subsequent reports are due every 12 calendar month(s).

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

**Condition 53: Emission Point Definition By Emission Unit  
Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 201-6**

**Item 53.1:**

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

- Emission Unit: U-00001
- Emission Point: P1001  
Height (ft.): 10                      Diameter (in.): 6
- Emission Point: P1002  
Height (ft.): 10                      Diameter (in.): 6
- Emission Point: P1003  
Height (ft.): 10                      Diameter (in.): 6
- Emission Point: P1004  
Height (ft.): 14                      Diameter (in.): 6
- Emission Point: P1005  
Height (ft.): 10                      Diameter (in.): 6
- Emission Point: P1006  
Height (ft.): 14                      Diameter (in.): 6



Emission Point: P1007 Height (ft.): 10	Diameter (in.): 6	
Emission Point: P1008 Height (ft.): 10	Diameter (in.): 6	
Emission Point: P1009 Height (ft.): 10	Diameter (in.): 6	
Emission Point: P1010 Height (ft.): 23	Length (in.): 72	Width (in.): 60
Emission Point: P1011 Height (ft.): 28	Diameter (in.): 4	
Emission Point: P1012 Height (ft.): 28	Diameter (in.): 4	
Emission Point: P1013 Height (ft.): 28	Diameter (in.): 4	
Emission Point: P1014 Height (ft.): 28	Diameter (in.): 4	
Emission Point: P1015 Height (ft.): 28	Diameter (in.): 4	
Emission Point: P1016 Height (ft.): 28	Diameter (in.): 2	
Emission Point: P1017 Height (ft.): 28	Diameter (in.): 2	
Emission Point: P1018 Height (ft.): 28	Diameter (in.): 2	
Emission Point: P1019 Height (ft.): 28	Diameter (in.): 2	
Emission Point: P1020 Height (ft.): 28	Length (in.): 36	Width (in.): 36
Emission Point: P1021 Height (ft.): 28	Length (in.): 36	Width (in.): 36
Emission Point: P1022		

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Height (ft.): 28                      Diameter (in.): 18

**Item 53.2:**

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

Emission Unit:	U-00002	
Emission Point:	P2001	
Height (ft.):	20	Diameter (in.): 8
Emission Point:	P2002	
Height (ft.):	20	Diameter (in.): 8
Emission Point:	P2003	
Height (ft.):	20	Diameter (in.): 8
Emission Point:	P2004	
Height (ft.):	20	Diameter (in.): 8
Emission Point:	P2005	
Height (ft.):	20	Diameter (in.): 8
Emission Point:	P2006	
Height (ft.):	20	Diameter (in.): 8
Emission Point:	P2007	
Height (ft.):	20	Diameter (in.): 12
Emission Point:	P2008	
Height (ft.):	20	Diameter (in.): 12
Emission Point:	P2009	
Height (ft.):	20	Diameter (in.): 12
Emission Point:	P2010	
Height (ft.):	20	Diameter (in.): 12
Emission Point:	P2011	
Height (ft.):	20	Diameter (in.): 12
Emission Point:	P2012	
Height (ft.):	20	Diameter (in.): 12
Emission Point:	P2013	
Height (ft.):	20	Diameter (in.): 12
Emission Point:	P2014	



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Height (ft.): 20	Diameter (in.): 12
Emission Point: P2015 Height (ft.): 20	Diameter (in.): 12
Emission Point: P2016 Height (ft.): 20	Diameter (in.): 12
Emission Point: P2017 Height (ft.): 20	Diameter (in.): 12
Emission Point: P2018 Height (ft.): 20	Diameter (in.): 12
Emission Point: P2019 Height (ft.): 20	Diameter (in.): 12
Emission Point: P2020 Height (ft.): 20	Diameter (in.): 12
Emission Point: P2021 Height (ft.): 20	Diameter (in.): 12
Emission Point: P2022 Height (ft.): 20	Diameter (in.): 12
Emission Point: P2023 Height (ft.): 20	Diameter (in.): 12
Emission Point: P2024 Height (ft.): 20	Diameter (in.): 12
Emission Point: P2025 Height (ft.): 20	Diameter (in.): 8

**Item 53.3:**

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

Emission Unit: U-00003

Emission Point: P3001  
Height (ft.): 50                      Diameter (in.): 143  
NYTMN (km.): 4491.73    NYTME (km.): 568.75

Emission Point: P3002  
Height (ft.): 50                      Diameter (in.): 143  
NYTMN (km.): 4491.943    NYTME (km.): 568.773



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Emission Point: P3003

Height (ft.): 50

Diameter (in.): 143

NYTMN (km.): 4492.16 NYTME (km.): 569.233

Emission Point: P3004

Height (ft.): 50

Diameter (in.): 143

NYTMN (km.): 4492.15 NYTME (km.): 569.233

Emission Point: P3005

Height (ft.): 50

Diameter (in.): 143

NYTMN (km.): 4491.89 NYTME (km.): 569.533

Emission Point: P3006

Height (ft.): 50

Diameter (in.): 143

NYTMN (km.): 4491.88 NYTME (km.): 569.533

**Item 53.4:**

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

Emission Unit: U-00004

Emission Point: P4001

Height (ft.): 30

Diameter (in.): 25

NYTMN (km.): 4490.956 NYTME (km.): 568.084 Building: GSF1

Emission Point: P4002

Height (ft.): 30

Diameter (in.): 25

NYTMN (km.): 4490.969 NYTME (km.): 568.081 Building: GSF1

Emission Point: P4003

Height (ft.): 50

Diameter (in.): 36

NYTMN (km.): 4491.034 NYTME (km.): 568.104

**Condition 54: Process Definition By Emission Unit**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 201-6**

**Item 54.1:**

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

Emission Unit: U-00001

Process: A11

Source Classification Code: 5-01-007-01

Process Description:

This process consists of treatment of landfill leachate by the following major unit processes: 1) influent flow



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distribution/holding; 2) biological treatment using SBR;  
3) metals removal; 4) sedimentation; 5) filtration; 6) pH  
neutralization.

Emission Source/Control: S1011 - Combustion

Emission Source/Control: S1001 - Process

Emission Source/Control: S1002 - Process

Emission Source/Control: S1003 - Process

Emission Source/Control: S1004 - Process

Emission Source/Control: S1005 - Process

Emission Source/Control: S1006 - Process

Emission Source/Control: S1007 - Process

Emission Source/Control: S1008 - Process

Emission Source/Control: S1009 - Process

Emission Source/Control: S1010 - Process

**Item 54.2:**

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

Emission Unit: U-00002

Process: A21

Source Classification Code: 5-01-007-01

Process Description:

This process consists of treatment of landfill leachate by the following major unit processes: (1) influent flow distribution; (2) biological treatment using SBR; (3) metals removal; (4) sedimentation; (5) filtration; (6) pH neutralization. There are three parallel modular treatment trains in the FKLTP, each with a design capacity of 300,000 gallons per day, for a total design capacity of 900,000 gallons per day.

Emission Source/Control: S2011 - Combustion

Emission Source/Control: S2001 - Process

Emission Source/Control: S2002 - Process



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Emission Source/Control: S2003 - Process

Emission Source/Control: S2004 - Process

Emission Source/Control: S2005 - Process

Emission Source/Control: S2006 - Process

Emission Source/Control: S2007 - Process

Emission Source/Control: S2008 - Process

Emission Source/Control: S2009 - Process

Emission Source/Control: S2010 - Process

**Item 54.3:**

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

Emission Unit: U-00003

Process: A31

Source Classification Code: 5-01-004-10

**Process Description:**

This process consists of six (6) enclosed flares installed to combust landfill gas (LFG). Three flare stations have been constructed. Each flare station is equipped with two LFG flares. The flare stations are located at sections 2/8, 3/4 and 6/7 of the landfill. Each flare station also includes compressor/blower pumps and condensate knockout tanks. Each flare has a maximum design capacity for combusting LFG flows up to 5,000 standard cubic feet per minute (scfm).

Emission Source/Control: S3001 - Control  
Control Type: FLARING

Emission Source/Control: S3002 - Control  
Control Type: FLARING

Emission Source/Control: S3003 - Control  
Control Type: FLARING

Emission Source/Control: S3004 - Control  
Control Type: FLARING

Emission Source/Control: S3005 - Control  
Control Type: FLARING



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Emission Source/Control: S3006 - Control  
Control Type: FLARING

Emission Source/Control: S3007 - Process

**Item 54.4:**

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

Emission Unit: U-00003

Process: A32

Source Classification Code: 5-01-004-02

Process Description:

Emissions from this process consist of the fugitive landfill gas emissions from the landfill sections that are not captured by the landfill gas collection system.

Emission Source/Control: S3007 - Process

**Item 54.5:**

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

Emission Unit: U-00004

Process: A41

Source Classification Code: 5-01-004-21

Process Description:

This process consists of the Selexol landfill gas (LFG) recovery plant (Plant 1). LFG is processed to remove moisture, hydrogen sulfide and organic sulfur compounds, carbon dioxide and non-methane organic compounds. Plant 1 includes two (2) lean burn internal combustion compressor engines that are fired by processed LFG and a thermal oxidizer used to combust waste gases from the LFG recovery process.

Emission Source/Control: S4001 - Combustion  
Design Capacity: 1,500 horsepower (mechanical)

Emission Source/Control: S4002 - Combustion  
Design Capacity: 1,500 horsepower (mechanical)

Emission Source/Control: S4003 - Control  
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: S4004 - Process

**Condition 55: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.3(b)(2)(iii)('b')**

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**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

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

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of the landfill shall test the emissions from the control device to determine that the device is reducing the emission of NMOC by 98% (by weight).

Parameter Monitored: NMOC - LANDFILL USE ONLY

Upper Permit Limit: 98 percent reduction by weight

Reference Test Method: Method 18 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 56: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 208.3(b)(2)(iii)('b')**

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

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

**Item 56.2:**

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



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NMOC from the device is less than 20 parts per million by volume (dry, as hexane, at 3% oxygen).

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 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 57: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 231-2**

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

When the landfill gas treatment facilities are operating, the emissions of VOC from the flares shall not exceed 61.8 tons per year or 14.1 pounds per hour. The emissions factor for this compound shall be established in a stack test. Emissions of this compound shall be calculated based on the established emissions factor and the flow of landfill gas.

Parameter Monitored: NMOC - LANDFILL USE ONLY

Upper Permit Limit: 14.1 pounds per hour

Reference Test Method: Method 25 or 25c

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.



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

**Condition 58: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 231-2**

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

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

**Item 58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

When the landfill gas treatment facilities are operating, the total emissions of oxides of nitrogen (NOx) from the flares shall not exceed 300.7 tons per year or 68.7 pounds per hour. The emissions factor for this compound shall be established in a stack test. Emissions of this compound shall be calculated based on the established emissions factor and the flow of landfill gas.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 68.7 pounds per hour

Reference Test Method: Method 7e

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 59: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003



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**Facility DEC ID: 2649900029**

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

When the landfill gas treatment facility is operating, the total emissions of Carbon Monoxide from the flares shall not exceed 610 tons per year or 139.3 pounds per hour. The emissions factor for this compound shall be established in a stack test. Emissions of this compound shall be calculated based on the established emissions factor and the flow of landfill gas.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 139.3 pounds per hour

Reference Test Method: Method 10

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 8-HOUR MAXIMUM - NOT TO BE EXCEEDED  
MORE THAN ONCE PER CALENDAR YEAR

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 60: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 60.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: A31

**Item 60.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Monitor flares daily to verify no visible emissions per special condition of Permit DEC ID # 2-6403-00011/00063. The opacity will be monitored and recorded daily using the 6-Minute Average, Method 22.



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Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: Method 22  
Monitoring Frequency: DAILY  
Averaging Method: 6-MINUTE AVERAGE (METHOD 22)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2006.  
Subsequent reports are due every 6 calendar month(s).

**Condition 61: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 212.10**

**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003  
Process: A31

**Item 61.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Temperature of the combustion zone will be measured continuously and records submitted as required by Permit DECID # 2-6403-00011/00063. Performance testing will be conducted to determine a matrix of operating conditions including flow and temperature that meets the emission requirements set forth in the permit. The combustion zone temperature will be measured and recorded in degrees Fahrenheit.

Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2006.  
Subsequent reports are due every 6 calendar month(s).

**Condition 62: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 212.10**



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**Facility DEC ID: 2649900029**

**Item 62.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: A31

**Item 62.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Restrictions on maximum landfill gas input rates into the flares, as contained in Permit DECID # 2-6403-00011/00063.

Flow to each flare will be measured and records of flow measurements will be submitted. Performance testing will be conducted to determine a matrix of operating conditions, including flow and temperature that meets the emission requirements set forth in the permit. The upper limit of flow to each flare varies, as specified in the permit DECID # 2-6403-00011/00063.

Monitoring Frequency: FOUR TIMES PER HOUR

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 63: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 231-2**

**Item 63.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Process: A41

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 63.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of volatile organic compounds from Selexol



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Plant #1 shall not exceed 6.83 tons per year (total from compressor engines and thermal oxidizer) or 1.56 pounds per hour. The emissions factor for this compound shall be established in a stack test. Emissions of this compound shall be calculated based on the established emissions factor and the flow of landfill gas.

Parameter Monitored: VOC

Upper Permit Limit: 1.56 pounds per hour

Reference Test Method: Method 25 or 25c

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 64: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 6NYCRR 231-2**

**Item 64.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Process: A41

Regulated Contaminant(s):

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

**Item 64.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of oxides of nitrogen (NOx) from Selexol Plant #1 shall not exceed 35 tons per year (total from compressor engines and thermal oxidizer) or 8 pounds per hour. The emissions factor for this compound shall be established in a stack test. Emissions of this compound shall be calculated based on the established emissions factor and the flow of landfill gas.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 8 pounds per hour



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Reference Test Method: Method 7e  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 3-HOUR ROLLING AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2006.  
Subsequent reports are due every 6 calendar month(s).

**Condition 65: Compliance Certification**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 65.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Process: A41

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 65.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of sulfur dioxide from Selexol Plant #1 shall not exceed 1.36 tons per year (total from compressor engines and thermal oxidizer) or 0.31 pounds per hour. The emissions factor for this compound shall be established in a stack test. Emissions of this compound shall be calculated based on the established emissions factor and the flow of landfill gas.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 0.31 pounds per hour

Reference Test Method: Method 6c

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 66: Compliance Certification**



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**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 66.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Process: A41

Regulated Contaminant(s):

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

**Item 66.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of PM-10 from Selexol Plant #1 shall not exceed 11.84 tons per year (total from the compressor engines and thermal oxidizer) or 2.7 pounds per hour. The emissions factor for this compound shall be established in a stack test. Emissions of this compound shall be calculated based on the emission factor and the flow of landfill gas.

Parameter Monitored: PM-10

Upper Permit Limit: 2.7 pounds per hour

Reference Test Method: RM 201/201a and 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

**Condition 67: Compliance Certification**

**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 67.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Process: A41

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

**Item 67.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of carbon monoxide from Selexol Plant #1 shall not exceed 80 tons per year (total from compressor engines and thermal oxidizer) or 18.27 pounds per hour. The emissions factor for this compound shall be established in a stack test. Emissions of this compound shall be calculated based on the established emissions factor and the flow of landfill gas.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 18.27 pounds per hour

Reference Test Method: Method 10

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT  
ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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 68: Contaminant List**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: ECL 19-0301**

**Item 68.1:**

Emissions of the following contaminants are subject to contaminant specific requirements in this



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permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000630-08-0

Name: CARBON MONOXIDE

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: 0NY075-00-5

Name: PM-10

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

**Condition 69: Unavoidable noncompliance and violations**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 201-1.4**

Item 69.1:

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



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Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superseded 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 70: Air pollution prohibited**  
**Effective between the dates of 08/16/2006 and 08/15/2011**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 70.1:**

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