

**New York State Department of Environmental Conservation  
Facility DEC ID: 2610700004**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 2-6107-00004/00017  
Mod 0 Effective Date: 10/31/2000 Expiration Date: 10/30/2005  
Mod 1 Effective Date: 10/15/2004 Expiration Date: 10/30/2005

Permit Issued To: NYC DEPT OF ENVIRONMENTAL PROTECTION  
96-05 HORACE HARDING EXPWY  
FLUSHING, NY 11368

Contact: NYC DEPT OF ENVIRONMENTAL PROTECTION  
96-05 HORACE HARDING EXPWY  
FLUSHING, NY 11368  
(718) 595-5050

Facility: NYC-DEP CONEY ISLAND WPCP  
2591 KNAPP STREET  
BROOKLYN, NY 11235

**Description:**

The Primary Settling Process Odor Control System is being modified to combine the channel odor control system with the tank odor control system. The odorous compound from the influent channel and mixed liquor channels will mix with the Primary Tanks (PST) collected air stream, all of which will be ducted to a 2 stage odor control system. The proposed modified PSTs channels odor control system consists of three scrubbers and eleven carbon absorbers. This system replaces the existing channels odor control system of two small scrubbers.

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

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Permit Modifications, Suspensions, and Revocations by the Department

**Facility Level**

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

**Item 1-1.1:**

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

**Item 1-1.2:**

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

**Item 1-1.3:**



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2610700004**

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

**Expired by Mod No: 1**

**Item 3.1:**

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

**Item 3.2:**

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

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

**Item 1-2.1:**

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

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

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

**Expired by Mod No: 1**

**Item 4.1:**

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

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

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2610700004**



materially changed since the permit was issued.

**\*\*\*\* 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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: NYC DEPT OF ENVIRONMENTAL PROTECTION  
96-05 HORACE HARDING EXPWY  
FLUSHING, NY 11368

Facility: NYC-DEP CONEY ISLAND WPCP  
2591 KNAPP STREET  
BROOKLYN, NY 11235

Authorized Activity By Standard Industrial Classification Code:  
4952 - SEWERAGE SYSTEMS

Mod 0 Permit Effective Date: 10/31/2000



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 24 6NYCRR 201-6: Emission Unit Definition
- 1-2 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 1-3 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 1-4 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 1-1 6NYCRR 201-6.5(e): Compliance Certification
- 28 6NYCRR 201-6.5(g): Non Applicable requirements
- 30 6NYCRR 202-2.1: Compliance Certification
- 31 6NYCRR 202-2.5: Recordkeeping requirements
- 34 6NYCRR 211.3: Compliance Certification
- 32 6NYCRR 211.3: Compliance Certification
- 38 6NYCRR 225-1.8(a): Compliance Certification
- 39 6NYCRR 227-2.6(c)(2): Compliance Certification
- 40 6NYCRR 227-2.6(c)(2): Compliance Certification
- 41 40CFR 63.1586, Subpart VVV: Existing Non-Industrial POTW Treatment Plants
- 1-5 40CFR 68: Accidental release provisions.
- 1-6 40CFR 82, Subpart F: Recycling and Emissions Reduction

**Emission Unit Level**

- 43 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 44 6NYCRR 201-6: Process Definition By Emission Unit

**EU=0-5MISC**

- 45 6NYCRR 230.2(d)(1): Stage I and II requirements for tanks constructed, replaced, or substantially modified after June 27, 1987

**EU=1-ENGIN**

- 47 6NYCRR 201-6.5: Compliance Certification
- 48 6NYCRR 227-1.3: Compliance Certification
- 50 6NYCRR 227-2.4(f)(2): Compliance Certification

**EU=2-BLERS**

- 51 6NYCRR 201-6.5: Compliance Certification
- 53 6NYCRR 227-2.4(d): Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1-7 ECL 19-0301: Contaminant List
- 1-8 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 57 6NYCRR 211.2: Air pollution prohibited
- 58 6NYCRR 211.2: Compliance Demonstration      Permit Expiration Date: 10/30/2005

Mod 1 Permit Effective Date: 10/15/2004

Permit Expiration Date: 10/30/2005





**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

**Item A: Sealing - 6NYCRR Part 200.5**

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

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

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

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

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

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

**Item C: Maintenance of Equipment - 6NYCRR Part 200.7**

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



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.

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

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

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

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

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

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

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

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

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

(4) The facility owner and/or operator notified the



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

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 F: Recycling and Salvage - 6NYCRR Part 201-1.7**

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

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

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

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

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

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

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

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

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item K: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)**

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

**Item L: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**

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

**Item M: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**

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

**New York State Department of Environmental Conservation**

Permit ID: 2-6107-00004/00017

Facility DEC ID: 2610700004



renewal application.

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

The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

**Item P: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR Part 201-6.5(a)(5)**

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

**Item Q: Property Rights - 6 NYCRR Part 201-6.5(a)(6)**

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

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

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

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

Upon presentation of credentials and other documents, as

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

- i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- iii. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Item T: Severability - 6 NYCRR Part 201-6.5(a)(9)**

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

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

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

- i. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- ii. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



or corrective measures adopted.

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

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the Administrator and the Department with written notification in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

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

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

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

contributing to such pollution;

ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

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

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

**Item X: Reopening for Cause - 6 NYCRR Part 201-6.5(i)**

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

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

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

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

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

Proceedings to reopen and issue Title V facility permits



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

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

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

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

**Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3**

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

**Item AA: Open Fires - 6 NYCRR Part 215**

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

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

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

**FEDERAL APPLICABLE REQUIREMENTS**

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

**Condition 24: Emission Unit Definition  
Effective between the dates of 10/31/2000 and 10/30/2005**

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

**Item 24.1(From Mod 1):**

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

Emission Unit: 3-WWTRE

Emission Unit Description:

THE WASTEWATER TREATMENT UNIT CONSISTS OF HEADWORKS, PRIMARY SETTLING, PST INFLUENT CHANNELS, MIXED LIQUOR CHANNELS, AERATION, FINAL SETTLING, AND CHLORINATION. THE HEADWORKS INCLUDE SCREENS, WET WELL AND GRIT REMOVAL TANKS. THE ODOROUS COMPOUNDS FROM SCREENS LOCATED IN MULTI-STORY BUILDING ARE PASSED THROUGH AN ODOR CONTROL SYSTEM COMPOSED OF FOUR WET SCRUBBERS. AFTER SCREENING, THE WASTEWATER PASSES THROUGH FOUR GRIT REMOVAL TANKS. THE ODOROUS COMPOUNDS FROM THESE OPERATIONS ARE

**New York State Department of Environmental Conservation**

Permit ID: 2-6107-00004/00017

Facility DEC ID: 2610700004



PASSED THROUGH FOUR WET SCRUBBERS LOCATED IN THE SLUDGE DEGRITTER BUILDING. ALL THESE WET SCRUBBERS HAVE INDIVIDUAL STACKS. AFTER THE GRIT REMOVAL TANKS THE WASTEWATER FLOWS THRU THE INFLUENT CHANNELS TO THE PRIMARY SETTLING TANKS. THE PRIMARY SETTLING PROCESS ODOR CONTROL SYSTEM IS BEING MODIFIED TO COMBINE THE CHANNEL ODOR CONTROL SYSTEM WITH THE TANK COVER ODOR CONTROL SYSTEM. THE ODOROUS COMPOUNDS FROM THE INFLUENT AND MIXED LIQUOR CHANNELS WILL MIX WITH THE PSTs COLLECTED AIR STREAM, ALL OF WHICH WILL BE DUCTED TO A TWO STAGE ODOR CONTROL SYSTEM. THE PROPOSED MODIFIED PSTs AND CHANNELS ODOR CONTROL SYSTEM CONSISTS OF THREE SCRUBBERS (12 FOOT DIAMETER) AND ELEVEN DUAL BED CARBON ABSORBERS. THIS SYSTEM REPLACES THE EXISTING CHANNELS ODOR CONTROL SYSTEM OF 2 SMALLER SCRUBBERS. THE ACTUAL CONSTRUCTION OF THE WORK THAT WILL MODIFY THE ODOR CONTROL SYSTEM IS SCHEDULED TO COMMENCE IN SEPTEMBER 2004 AND IS SCHEDULED TO BE COMPLETED IN DECEMBER 2004.

THE WASTEWATER NEXT PROCEEDS TO THE AERATION TANKS. A BATTERY OF SIX WET SCRUBBERS WITH INDIVIDUAL STACKS ARE PROVIDED TO CONTROL THE ODOROUS COMPOUNDS FROM AERATION TANKS ENCLOSURE BUILDING. NORMALLY, FOUR (4) WET SCRUBBERS ARE IN OPERATION. FROM THE AERATION TANK, THE MIXED LIQUOR GOES TO FINAL SETTLING AND THEN PROCEEDS THROUGH FINAL CHLORINATION AND THEN TO THE OUTFALL STRUCTURE. EMISSIONS FROM THESE PROCESSES DEPEND ON THE CONCENTRATION OF POLLUTANTS OF CONCERN IN THE PLANT'S INFLUENT OF WHICH THE PLANT DOES NOT HAVE COMPLETE CONTROL. THEREFORE, THE EMISSIONS ARE BASED ON CURRENTLY AVAILABLE DATA.

Building(s): PST

**Item 24.2(From Mod 0):**



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

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

Emission Unit: 0-5MISC

Emission Unit Description:

THIS UNIT CONSISTS OF THE PLANT'S TWO (2) WASTE GAS BURNERS (FLARES) TO BURN THE EXCESS DIGESTER GAS, ONE (1) GASOLINE AND ONE (1) DIESEL DISPENSING UNIT. THE GASOLINE/DIESEL DISPENSING UNITS ARE CURRENTLY IN OPERATION.

Building(s): GASP  
PMPWRHSE  
SLUDGE

**Item 24.3(From Mod 0):**

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

Emission Unit: 1-ENGIN

Emission Unit Description:

THIS EMISSION UNIT INCLUDES FOUR (4) DELAVAL (ENTERPRISE'S) DGSR - 46, INTERNAL COMBUSTION ENGINES EACH RATED AT 2246 HP. THESE ENGINES ARE DUAL FUEL POWERED WITH DIESEL PILOT AND ARE CAPABLE TO OPERATE WITH DIGESTER GAS, OR #2 DIESEL, OR A BLEND OF NATURAL AND DIGESTER GAS. THESE ENGINES DRIVE GENERATORS (EACH RATED 2000 KVA @ 0.80 POWER FACTOR) WHICH PROVIDE POWER TO SEWAGE PUMPS AND PROCESS AIR BLOWERS. EXHAUST FROM ENGINES ARE PASSED THROUGH A WASTE HEAT RECOVERY BOILER AND THEN VENTED TO ATMOSPHERE THROUGH A STACK. AMONG THESE FOUR (4) ENGINES THERE WILL ALWAYS BE ONE ENGINE AS STANDBY. (PTE CALCULATION BASED ON 3 ENGINES IN OPERATION).

Building(s): PMPWRHSE

**Item 24.4(From Mod 0):**

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

Emission Unit: 2-BLERS

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF THREE (3) CLEAVER BROOKS, CB-200-600 HOT WATER BOILERS EACH WITH INPUT CAPACITY OF 25 MMBTU/HR. THESE BOILERS ARE CAPABLE OF FIRING NATURAL GAS, DIGESTER GAS, BLEND OF NATURAL GAS AND DIGESTER GAS, AND DIESEL

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



FUEL. THE EXHAUST FROM THE BOILERS IS VENTED TO ATMOSPHERE THROUGH A COMMON STACK. THESE NEW BOILERS REPLACED EXISTING BOILERS WHICH WERE INSTALLED AROUND 1940. OUT OF THESE THREE BOILERS THERE WILL BE ALWAYS ONE BOILER AS STANDBY (PTE CALCULATION CORRESPONDS TO TWO BOILERS IN OPERATION).

Building(s): PMPPWRHSE

**Item 24.5(From Mod 0):**

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

Emission Unit: 4-SLUDG

Emission Unit Description:

THIS SLUDGE HANDLING PROCESS OF THE PLANT CONSISTS OF THE RETURN ACTIVATED SLUDGE (RAS) WET WELL, SECONDARY SCREENS, SLUDGE THICKENERS, SLUDGE DIGESTERS, OVERFLOW BOXES, DIGESTER GAS STORAGE TANKS, AND SLUDGE STORAGE TANKS. THE EXISTING ODOR CONTROL SYSTEM CONSISTING OF THREE WET SCRUBBERS HANDLES THE ODOROUS COMPOUNDS FROM RAS WET WELL, SECONDARY SCREENS, AND THICKENERS. CURRENTLY, RECYCLE FLOW PUMP STATION BUILDING IS UNDER CONSTRUCTION WHERE ONE CARBON ADSORBER WILL BE INSTALLED AS A PART OF ITS ODOR CONTROL SYSTEM WITH SCHEDULED COMPLETION IN DECEMBER 1999. IN THE FUTURE (AROUND YEAR 2000), ANOTHER PORTABLE CARBON ADSORBER UNIT WILL BE ADDED IN THE DIGESTER BUILDING OVERFLOW BOX ODOR CONTROL SYSTEM.

Building(s): DB  
RFPSB  
RSPSB  
THB

**Condition 1-2: Recordkeeping and reporting of compliance monitoring  
Effective between the dates of 10/15/2004 and 10/30/2005**

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

**Item 1-2.1:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

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

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

**Condition 1-3: Monitoring, Related Recordkeeping, and Reporting Requirements.**

**Effective between the dates of 10/15/2004 and 10/30/2005**

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

**Item 1-3.1:**

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

**Condition 1-4: Compliance Certification**

**Effective between the dates of 10/15/2004 and 10/30/2005**

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

**Item 1-4.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-4.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



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

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

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

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

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

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

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



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.

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

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

**Condition 1-1: Compliance Certification**

**Effective between the dates of 10/15/2004 and 10/30/2005**

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

**Item 1-1.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-1.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

i. Compliance certifications shall contain:

- the identification of each term or condition of the permit that is the basis of the certification;
- the compliance status;
- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
- and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



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  
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.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

The initial report is due 1/30/2001.  
Subsequent reports are due on the same day each year

**Condition 28: Non Applicable requirements**  
**Effective between the dates of 10/31/2000 and 10/30/2005**

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

**Item 28.1:**

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

**Condition 30: Compliance Certification**  
**Effective between the dates of 10/31/2000 and 10/30/2005**

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

**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: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 31: Recordkeeping requirements**  
**Effective between the dates of 10/31/2000 and 10/30/2005**

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

**Item 31.1:**

(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.

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



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

**Condition 34: Compliance Certification**  
**Effective between the dates of 10/31/2000 and 10/30/2005**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 34.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 34.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR, 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.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
  - weather condition
  - was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

- 3) If the operator observes any visible emissions (other

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



than steam - see below) two consecutive days, then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**\*\* NOTE \*\*** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY

Upper Permit Limit: 57 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ONE CONTINUOUS 6-MINUTE PERIOD PER HOUR

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2001.

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

**Condition 32: Compliance Certification**

**Effective between the dates of 10/31/2000 and 10/30/2005**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 32.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 32.2:**

Compliance Certification shall include the following monitoring:

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



**Monitoring Description:**

Except as permitted by a specific part of Title 6 of the NYCRR, 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.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
  - weather condition
  - was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

- 3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**\*\* NOTE \*\*** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2001.

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

**Condition 38: Compliance Certification**  
**Effective between the dates of 10/31/2000 and 10/30/2005**

**Applicable Federal Requirement: 6NYCRR 225-1.8(a)**

**Item 38.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

ALL NYC SERVICE CONTRACTS REQUIRE SUPPLIERS TO PROVIDE FUEL OILS THAT MEET THE LOW SULFUR CONTENT REQUIREMENT OF 0.2% BY WEIGHT FOR # 2 DIESEL. MONITORING WILL BE DONE RANDOMLY CITYWIDE BY THE NYC DEPT OF CITYWIDE ADMINISTRATIVE SERVICES.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.2 percent by weight

Reference Test Method: ASTM D4951

Monitoring Frequency: PER DELIVERY



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY  
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2001.

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

**Condition 39: Compliance Certification**

**Effective between the dates of 10/31/2000 and 10/30/2005**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)(2)**

**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:

The owner or operator shall submit a compliance test protocol to the Department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the the Department.

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 40: Compliance Certification**

**Effective between the dates of 10/31/2000 and 10/30/2005**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)(2)**

**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:

Owners or operators shall utilize stack test Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference test Method approved by the Department. Internal combustion engines are required to perform only an initial stack test, to determine compliance with their NOx limit.



**New York State Department of Environmental Conservation**

Permit ID: 2-6107-00004/00017

Facility DEC ID: 2610700004

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 41: Existing Non-Industrial POTW Treatment Plants**  
**Effective between the dates of 10/31/2000 and 10/30/2005**

**Applicable Federal Requirement: 40CFR 63.1586, Subpart VVV**

**Item 41.1:**

40CFR63 Subpart VVV imposes no control requirements for existing non-industrial POTW treatment plants.

**Condition 1-5: Accidental release provisions.**  
**Effective between the dates of 10/15/2004 and 10/30/2005**

**Applicable Federal Requirement: 40CFR 68**

**Item 1-5.1:**

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 1-6: Recycling and Emissions Reduction**  
**Effective between the dates of 10/15/2004 and 10/30/2005**

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

**Item 1-6.1:**

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

**New York State Department of Environmental Conservation**

Permit ID: 2-6107-00004/00017

Facility DEC ID: 2610700004



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

**Condition 43: Emission Point Definition By Emission Unit**  
**Effective between the dates of 10/31/2000 and 10/30/2005**

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

**Item 43.1(From Mod 1):**

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

Emission Unit: 3-WWTRE

Emission Point: 3EP09

Height (ft.): 49

Diameter (in.): 48

NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: PST

Emission Point: 3EP10

Height (ft.): 49

Diameter (in.): 48

NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: PST

Emission Point: 3EP11

Removal Date: 10/05/2004

Height (ft.): 50

Diameter (in.): 20

NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: PST

**Item 43.2(From Mod 0):**

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

Emission Unit: 0-5MISC

Emission Point: 5EP01

Height (ft.): 60

Diameter (in.): 8

NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: SLUDGE

Emission Point: 5EP02

Height (ft.): 60

Diameter (in.): 8

NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: SLUDGE

**Item 43.3(From Mod 0):**

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

Emission Unit: 1-ENGIN

Emission Point: 1EP01

Height (ft.): 51

Diameter (in.): 24

NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: PMPPWRHSE

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



Emission Point: 1EP02  
Height (ft.): 51 Diameter (in.): 24  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: PMPPWRHSE

Emission Point: 1EP03  
Height (ft.): 51 Diameter (in.): 24  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: PMPPWRHSE

Emission Point: 1EP04  
Height (ft.): 51 Diameter (in.): 24  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: PMPPWRHSE

**Item 43.4(From Mod 0):**

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

Emission Unit: 2-BLERS

Emission Point: 2EP01  
Height (ft.): 76 Diameter (in.): 39  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: PMPPWRHSE

**Item 43.5(From Mod 0):**

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

Emission Unit: 3-WWTRE

Emission Point: 3EP01  
Height (ft.): 54 Diameter (in.): 48  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: SCREEN

Emission Point: 3EP02  
Height (ft.): 54 Diameter (in.): 48  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: SCREEN

Emission Point: 3EP03  
Height (ft.): 54 Diameter (in.): 48  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: SCREEN

Emission Point: 3EP04  
Height (ft.): 54 Diameter (in.): 48  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: SCREEN

Emission Point: 3EP05  
Height (ft.): 69 Diameter (in.): 48  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: DEGRIT



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

- Emission Point: 3EP06  
Height (ft.): 69 Diameter (in.): 48  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: DEGRIT
- Emission Point: 3EP07  
Height (ft.): 69 Diameter (in.): 48  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: DEGRIT
- Emission Point: 3EP08  
Height (ft.): 69 Diameter (in.): 48  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: DEGRIT
- Emission Point: 3EP12  
Height (ft.): 43 Diameter (in.): 36  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: AERATION
- Emission Point: 3EP13  
Height (ft.): 43 Diameter (in.): 36  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: AERATION
- Emission Point: 3EP14  
Height (ft.): 43 Diameter (in.): 36  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: AERATION
- Emission Point: 3EP15  
Height (ft.): 45 Diameter (in.): 36  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: AERATION
- Emission Point: 3EP16  
Height (ft.): 45 Diameter (in.): 36  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: AERATION
- Emission Point: 3EP17  
Height (ft.): 45 Diameter (in.): 36  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: AERATION

**Item 43.6(From Mod 0):**

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

- Emission Unit: 4-SLUDG
- Emission Point: 4EP01  
Height (ft.): 48 Diameter (in.): 36  
NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: RSPSB
- Emission Point: 4EP02  
Height (ft.): 48 Diameter (in.): 36



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: RSPSB

Emission Point: REP03

Height (ft.): 48 Diameter (in.): 36

NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: RFPSB

Emission Point: REP04

Height (ft.): 30 Diameter (in.): 12

NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: RSPSB

Emission Point: REP05

Height (ft.): 30 Diameter (in.): 12

NYTMN (km.): 4493.823 NYTME (km.): 590.333 Building: DB

**Condition 44: Process Definition By Emission Unit  
Effective between the dates of 10/31/2000 and 10/30/2005**

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

**Item 44.1(From Mod 1):**

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

Emission Unit: 3-WWTRE

Process: OPS

Source Classification Code: 5-01-007-20

Process Description:

Primary settling process includes Primary Settling Tank Influent Channel (PSTIC), Primary Settling Tanks (PST), and Mixed Liquor Channel (MXLQC), as control.

The Primary Settling Process Odor Control System is being modified to combine the channel odor control system with the tank odor control system. The odorous compound from the influent channel and mixed liquor channels will mix with the Primary Tanks (PST) collected air stream, all of which will be ducted to a 2 stage odor control system. The proposed modified PSTs channels odor control system consists of three scrubbers and eleven carbon adsorbers. This system replaces the existing channels odor control system of two small scrubbers.

Emission Source/Control: MXLQC - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: 00PST - Process

Design Capacity: 100,000,000 gallons per day

Emission Source/Control: PSTIC - Process

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



Design Capacity: 100,000,000 gallons per day

**Item 44.2(From Mod 0):**

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

Emission Unit: 0-5MISC

Process: DGP

Source Classification Code: 4-06-004-01

Process Description:

THIS PROCESS IS THE PLANT'S  
GASOLINE/DIESEL STATION. THERE ARE TWO 550  
GALLON UNDERGROUND (ONE FOR GASOLINE AND  
ONE FOR DIESEL) STORAGE TANKS AND TWO  
DISPENSER PUMPS.

Emission Source/Control: DPUMP - Process

Design Capacity: 550 gallons

Emission Source/Control: GPUMP - Process

Design Capacity: 550 gallons

**Item 44.3(From Mod 0):**

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

Emission Unit: 0-5MISC

Process: FLA

Source Classification Code: 3-99-900-24

Process Description:

IN THE EVENT THE DIGESTER GAS PRODUCTION  
EXCEEDS THE PLANT DEMAND FOR ENGINES AND  
BOILERS, THE DIGESTER GAS IS BURNED AT  
EITHER OF THE TWO FLARE TOWERS.

Emission Source/Control: FLAR1 - Combustion

Emission Source/Control: FLAR2 - Combustion

**Item 44.4(From Mod 0):**

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

Emission Unit: 1-ENGINE

Process: DIE

Source Classification Code: 2-02-004-01

Process Description:

IN THE EVENT DIGESTER GAS IS INADEQUATE OR  
NOT AVAILABLE THE ENGINES WILL FIRE #2  
DIESEL FUEL (100% DIESEL FUEL).

Emission Source/Control: 1ES01 - Combustion

Design Capacity: 2,246 horsepower (mechanical)

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



Emission Source/Control: 1ES02 - Combustion  
Design Capacity: 2,246 horsepower (mechanical)

Emission Source/Control: 1ES03 - Combustion  
Design Capacity: 2,246 horsepower (mechanical)

Emission Source/Control: 1ES04 - Combustion  
Design Capacity: 2,246 horsepower (mechanical)

**Item 44.5(From Mod 0):**

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

Emission Unit: 1-ENGIN

Process: DUA

Source Classification Code: 2-02-004-02

Process Description:

THESE ENGINES DRIVE THE GENERATORS TO PRODUCE ELECTRICAL POWER AND PROCESS HEAT FOR THE PLANT. NORMALLY, ONE ENGINE/GENERATOR OPERATES AT ALL TIMES PRODUCING POWER FOR THE MAIN SEWAGE PUMPS, DIGESTER PLANT EFFLUENT PUMPS, EFFLUENT (PLE) WATER PUMPS, MOTOR CONTROL CENTER AREA FOR PST PUMPS, AND ESSENTIAL LOADS. IN THE PRIMARY OPERATION MODE, ENGINES FIRE DUAL FUEL (DIGESTER GAS, NATURAL GAS, OR BLEND) WITH DIESEL FUEL AS PILOT. DURING PEAK DRY WEATHER FLOW A SECOND ENGINE/GENERATOR IS ALSO UTILIZED. EACH ENGINE HAS ITS OWN STACK.

Emission Source/Control: 1ES01 - Combustion  
Design Capacity: 2,246 horsepower (mechanical)

Emission Source/Control: 1ES02 - Combustion  
Design Capacity: 2,246 horsepower (mechanical)

Emission Source/Control: 1ES03 - Combustion  
Design Capacity: 2,246 horsepower (mechanical)

Emission Source/Control: 1ES04 - Combustion  
Design Capacity: 2,246 horsepower (mechanical)

**Item 44.6(From Mod 0):**

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

Emission Unit: 2-BLERS



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

Process: BDF

Source Classification Code: 1-03-005-02

Process Description:

IF PLANT DIGESTER GAS IS NOT AVAILABLE NOR  
THE NATURAL GAS, THESE BOILERS ARE CAPABLE  
OF FIRING 100 PERCENT #2 DIESEL FUEL.

Emission Source/Control: BLER1 - Combustion

Design Capacity: 25 million Btu per hour

Emission Source/Control: BLER2 - Combustion

Design Capacity: 25 million Btu per hour

Emission Source/Control: BLER3 - Combustion

Design Capacity: 25 million Btu per hour

**Item 44.7(From Mod 0):**

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

Emission Unit: 2-BLERS

Process: BGG

Source Classification Code: 1-03-006-02

Process Description:

THESE BOILERS WILL NORMALLY FIRE NATURAL  
GAS. HOWEVER, THEY MAY OPERATE WITH  
DIGESTER GAS ALSO.

Emission Source/Control: BLER1 - Combustion

Design Capacity: 25 million Btu per hour

Emission Source/Control: BLER2 - Combustion

Design Capacity: 25 million Btu per hour

Emission Source/Control: BLER3 - Combustion

Design Capacity: 25 million Btu per hour

**Item 44.8(From Mod 0):**

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

Emission Unit: 3-WWTRE

Process: 0AS

Source Classification Code: 5-01-007-31

Process Description:

AERATION IS A PART OF THE PLANT'S  
SECONDARY TREATMENT PROCESS. TWO AERATION  
TANKS, EACH WITH 385' L x 21' W x 15'  
DEPTH.

Emission Source/Control: 000AT - Process

Design Capacity: 100,000,000 gallons per day

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



**Item 44.9(From Mod 0):**

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

Emission Unit: 3-WWTRE

Process: OCC

Source Classification Code: 5-01-007-60

Process Description:

THIS IS THE PLANT'S DISINFECTION PROCESS  
USING THE CHEMICAL REAGENT SODIUM  
HYPOCHLORITE.

Emission Source/Control: 00CCT - Process

Design Capacity: 100,000,000 gallons per day

**Item 44.10(From Mod 0):**

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

Emission Unit: 3-WWTRE

Process: 0FS

Source Classification Code: 5-01-007-40

Process Description:

A TOTAL OF EIGHT FINAL SETTLING TANKS,  
EACH WITH THE DIMENSION OF 253.2' L x 54.5'  
W x 13.4' DEPTH. THIS IS THE FINAL  
SETTLING PROCESS.

Emission Source/Control: 00FST - Process

Design Capacity: 100,000,000 gallons per day

**Item 44.11(From Mod 0):**

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

Emission Unit: 3-WWTRE

Process: OHW

Source Classification Code: 5-01-007-07

Process Description:

HWS (HEADWORKS) PROCESS IS A PRETREATMENT  
OPERATION CONSISTING OF SIX SCREENS AND WET  
WELL. THE OTHER EQUIPMENT IN THE PRIMARY  
TREATMENT INCLUDE TEN CYCLONE DEGRITTERS,  
SIX GRIT CLASSIFIERS, SKIMMING PITS,  
SKIMMING CONTAINERS, GRIT CONTAINERS, FOUR  
GRIT TANKS, PUMPROOM (CONTAINING SIX  
PUMPS), AND SKIMMING ENCLOSURES.

Emission Source/Control: CLASS - Process

Emission Source/Control: CYCDG - Process



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

Emission Source/Control: GRITTK - Process

Emission Source/Control: PUMPR - Process

Emission Source/Control: SCREN - Process  
Design Capacity: 100,000,000 gallons per day

Emission Source/Control: SKMCT - Process

Emission Source/Control: SKMEN - Process

Emission Source/Control: SKMPT - Process

Emission Source/Control: WWELL - Process  
Design Capacity: 100,000,000 gallons per day

**Item 44.12(From Mod 0):**

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

Emission Unit: 4-SLUDG

Process: 0AD

Source Classification Code: 5-01-007-71

Process Description:

THIS PROCESS INCLUDES ANAEROBIC DIGESTERS, SLUDGE STORAGE TANKS, AND GAS STORAGE TANKS. DIGESTER OVERFLOW BOXES WILL BE VENTED TO AN ACTIVATED CARBON ADSORBER (PORTABLE), PRESENTLY SCHEDULED IN 2000.

Emission Source/Control: DIGTK - Process  
Design Capacity: 828,000 cubic feet

Emission Source/Control: GASTK - Process  
Design Capacity: 141,000 cubic feet

Emission Source/Control: SLDGT - Process  
Design Capacity: 287,500 cubic feet

**Item 44.13(From Mod 0):**

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

Emission Unit: 4-SLUDG

Process: 0GT

Source Classification Code: 5-01-007-71

Process Description:

THIS PROCESS CONSISTS OF RAS WET WELL, SECONDARY SCREENS, AND SLUDGE THICKENERS. ODOR EMISSIONS FROM THESE EQUIPMENT AND VENTILLATION EXHAUST ENTER INTO THREE (3)



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

WET SCRUBBERS LOCATED IN THE RETURN SLUDGE  
PUMP STATION BUILDING.

Emission Source/Control: RASWW - Process

Emission Source/Control: SSCRN - Process

Emission Source/Control: THKNS - Process

Design Capacity: 280,000 cubic feet

**Condition 45: Stage I and II requirements for tanks constructed,  
replaced, or substantially modified after June 27, 1987  
Effective between the dates of 10/31/2000 and 10/30/2005**

**Applicable Federal Requirement: 6NYCRR 230.2(d)(1)**

**Item 45.1:**

This Condition applies to Emission Unit: 0-5MISC

**Item 45.2:**

Stage I and Stage II vapor collection systems are required at any gasoline dispensing site located in the New York City Metropolitan Area which is constructed, replaced, or substantially modified after June 27, 1987, regardless of the annual gasoline throughput at the site.

This requirement does not apply for gasoline tanks with a capacity less than 550 gallons which are used exclusively for farm tractors used for agricultural purposes or for snowplowing.

**Condition 47: Compliance Certification  
Effective between the dates of 10/31/2000 and 10/30/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.5**

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-ENGIN

**Item 47.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Facility is restricted to operating only 3 of the 4 engines described in emission unit 1-ENGIN at any time. In the event that it becomes necessary to bring a 4th engine on-line, the facility must notify NYSDEC and submit potential to emit (PTE) calculations for review.

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 48: Compliance Certification**  
**Effective between the dates of 10/31/2000 and 10/30/2005**

**Applicable Federal Requirement: 6NYCRR 227-1.3**

**Item 48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-ENGIN

**Item 48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired internal combustion engines which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack for each internal combustion engine which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence.

The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**\*\* NOTE \*\*** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2001.

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

**Condition 50: Compliance Certification**  
**Effective between the dates of 10/31/2000 and 10/30/2005**

**Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)**

**Item 50.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-ENGIN

Regulated Contaminant(s):

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

**Item 50.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limit for a lean burn internal combustion



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

engine which fires other or multiple fuels. Stack testing will be required in order to demonstrate compliance with the regulatory standard.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 9.0 grams per brake horsepower-hour

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 51: Compliance Certification**  
**Effective between the dates of 10/31/2000 and 10/30/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.5**

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 2-BLERS

**Item 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Facility is restricted to operating only 2 of the 3 boilers described in emission unit 2-BLERS at any one time. In the event that it becomes necessary to bring a 3rd boiler on-line, the Facility must notify NYSDEC and submit potential to emit (PTE) calculations for review.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 53: Compliance Certification**  
**Effective between the dates of 10/31/2000 and 10/30/2005**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 2-BLERS

**Item 53.2:**

Compliance Certification shall include the following monitoring:

**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2001.

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



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**

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

**Condition 1-7: Contaminant List**  
**Effective between the dates of 10/15/2004 and 10/30/2005**

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

**Item 1-7.1:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

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

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Condition 1-8: Unavoidable noncompliance and violations**  
**Effective between the dates of 10/15/2004 and 10/30/2005**

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

**Item 1-8.1:**

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

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

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6107-00004/00017**

**Facility DEC ID: 2610700004**

(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 57: Air pollution prohibited**  
**Effective between the dates of 10/31/2000 and 10/30/2005**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 57.1:**

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

**Condition 58: Compliance Demonstration**  
**Effective between the dates of 10/31/2000 and 10/30/2005**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 58.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 58.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall follow best engineering procedures and take precautions to minimize odors. Facility shall evaluate the operation and maintenance of odor control systems and keep the system in compliance. The facility must maintain a daily log on site to record the presence of odors and corrective actions taken in the event of these odors and report it to the department semiannually

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

**New York State Department of Environmental Conservation**  
**Permit ID: 2-6107-00004/00017      Facility DEC ID: 2610700004**



The initial report is due 1/30/2001.  
Subsequent reports are due every 6 calendar month(s).