

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 1472000355**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 1-4720-00355/00043  
Effective Date: 08/28/2001 Expiration Date: 08/27/2006

Permit Issued To: SUFFOLK COUNTY  
H LEE DENNISON BLDG  
HAUPPAUGE, NY 11788

Contact: SOUTHWEST SEWER DISTRICT #3  
SUFFOLK COUNTY DEPT OF PUBLIC WORKS  
335 YAPHANK AVE  
YAPHANK, NY 11980  
(631) 852-4000

Facility: BERGEN POINT STP & BERGEN AVE. DOCK  
600 BERGEN AVE  
W BABYLON, NY 11704

Contact: SOUTHWEST SEWER DISTRICT #3  
SUFFOLK COUNTY DEPT OF PUBLIC WORKS  
335 YAPHANK AVE  
YAPHANK, NY 11980  
(631) 852-4000

**Description:**

Bergen Point Sewage Treatment Plant operates a 30.5 million gallon per day (mgd) waste water treatment plant located at Bergen point in the Town of Babylon. The Plant was constructed in the 1970's and includes a pump and screen building, grit building, primary settling tanks, aeration tanks with blower building, clarifiers with pump building, an effluent pump building, a sludge processing building including thickeners, belt presses and two multiple hearth incinerators. Included in the 30.5 mgd is a 0.5 mgd scavenger waste facility consisting of a septage dumping building, treatment tanks and filters. There are two multiple hearth incinerators and they use No.2 fuel oil to burn the sewage sludge. Each incinerator is exhausted through an afterburner, spray tower, venturi scrubber, impingement scrubber and an I.D fan, prior to exhausting to their respective stacks. Both incinerators were not operating since May 2000 and the facility is planning to resume the incinerator operation by August 2001. Performance test must be performed on the incinerators after the incinerators are back on-line. There are two small boilers with 40 mmbtu/hr capacity which use No. 2 fuel oil at the facility. In addition, there are 5 packed bed scrubbers using liquid hypochlorite to remove trace organics from sludge conditioning off gases, prior to discharge through 5 stacks. The facility is subject to Part 225, 227 and 40 CFR Subpart O, part 61 Subpart E, and Part 503 Subpart E.

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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 W. PAVACIC  
SUNY CAMPUS, LOOP ROAD, BUILDING 40  
STONY BROOK, NY 11790-2356

Authorized Signature: \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_\_



**Notification of Other 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, agents, and assigns for all claims, suits, actions, damages, and costs of every name and description, arising out of or resulting from the permittee's undertaking of activities or operation and maintenance of the facility or facilities authorized by the permit in compliance or non-compliance with the terms and conditions of the permit.

**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**

**p0 DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions, and Revocations by the Department

Permit Modifications, Suspensions, and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal-REGION 1  
HEADQUARTERS



**DEC GENERAL CONDITIONS**

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

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

**Item 2.1:**

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

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

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

**Item 4.1:**

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for



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modification, suspension or revocation include:

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

**Condition 5: Permit Modifications, Suspensions, and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 5.1:**

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 materially changed since the permit was issued.

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

**Condition 6: Submission of Applications for Permit Modification or Renewal-REGION 1 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 6.1:**

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator  
Region 1 Headquarters  
Division of Environmental Permits  
SUNY Campus, Loop Road, Building 40  
Stony Brook, NY 11790-2356  
(631) 444-0365



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

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

**IDENTIFICATION INFORMATION**

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Contact: SOUTHWEST SEWER DISTRICT #3  
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SUFFOLK COUNTY DEPT OF PUBLIC WORKS  
335 YAPHANK AVE  
YAPHANK, NY 11980



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

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- 5 Unavoidable Noncompliance and Violations
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- 13 Cessation or Reduction of Permitted Activity Not a Defense
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- 38 Conditions for wastewater treatment sludge incineration and drying plants
- 39 Sludge Sampling-Sludge incineration and drying plants.

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(may be used as an alternative to stack testing)

40 Recycling and Emissions Reduction

**Emission Unit Level**

41 Emission Point Definition By Emission Unit

42 Process Definition By Emission Unit

43 Compliance Certification (EU=U-00001)

44 Compliance Certification (EU=U-00001)

45 Compliance Certification (EU=U-00001)

46 Compliance Certification (EU=U-00001)

47 Compliance Certification (EU=U-00001)

48 Compliance Certification (EU=U-00001)

49 Compliance Certification (EU=U-00001)

50 Compliance Certification (EU=U-00001)

51 Compliance Certification (EU=U-00001)

52 Compliance Certification (EU=U-00001)

53 Compliance Certification (EU=U-00001)

54 Compliance Certification (EU=U-00001)

55 Compliance Certification (EU=U-00001)

56 Compliance Certification (EU=U-00002)

57 Compliance Certification (EU=U-00002)

58 Compliance Certification (EU=U-00002)

59 Compliance Certification (EU=U-00002,EP=BOILS)

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

60 General Provisions

61 Contaminant List      62 Air pollution prohibited

**Emission Unit Level**

63 Compliance Certification (EU=U-00001)

(631) 852-4000

Authorized Activity By Standard Industrial Classification Code:

4952 - SEWERAGE SYSTEMS

Permit Effective Date: 08/28/2001

Permit Expiration Date: 08/27/2006



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**FEDERALLY ENFORCEABLE CONDITIONS**

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

**Condition 1: Sealing**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 200.5**

**Item 1.1:**

(a) 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 labelling 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.

(b) 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.

(c) Unless authorized by the commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section

**Condition 2: Acceptable ambient air quality**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 2.1:**

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

**Condition 3: Maintenance of equipment**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 3.1:**

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



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**Condition 4: Unpermitted Emission Sources**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.2**

**Item 4.1:**

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.

**Condition 5: Unavoidable Noncompliance and Violations**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 5.1:**

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 or certificate issued for the corresponding air contamination source. 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.



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

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

**Condition 6: Emergency Defense**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.5**

**Item 6.1:**

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

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

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

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

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

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

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

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

**Condition 7: Recycling and Salvage**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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



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**Item 7.1:**

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

**Condition 8: Prohibition of Reintroduction of Collected Contaminants to the Air**

**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 8.1:**

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

**Condition 9: Public Access to Recordkeeping for Title V facilities**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.10(b)**

**Item 9.1:**

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.

**Condition 10: Proof of Eligibility**

**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 10.1:**

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 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.

**Condition 11: Proof of Eligibility**

**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 11.1:**

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



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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.

**Condition 12: Applicable Criteria, Limits, Terms, Conditions and Standards**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 12.1:**

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

- i. Any reporting requirements and operations under an accidental release plan, response plan, and compliance plan as approved as of the date of the permit issuance, or
- ii. Any support documents submitted as a part of the permit application for this facility as accepted and approved as of the date of permit issuance.

Any noncompliance with the federally-enforceable portions of this permit constitutes a violation of the federal Clean Air Act and will be grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.

**Item 12.2:**

Any document, including reports, required by the federally-enforceable portions of this permit shall contain a certification by the responsible official for this facility as set forth in Section 201-6.3 that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

**Condition 13: Cessation or Reduction of Permitted Activity Not a Defense**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 13.1:**

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.

**Condition 14: Compliance Requirements**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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



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**Item 14.1:**

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

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

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

**Item 14.2:**

The permittee shall comply with the approved compliance schedule for this permit if such a schedule is a part of this permit. Risk management plans must be submitted to the Administrator if required by Section 112(r) of the Clean Air Act for this facility.

**Item 14.3:**

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

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

**Condition 15: Federally-Enforceable Requirements**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 15.1:**

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



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only state regulations.

**Condition 16: Fees**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 16.1:**

The permittee shall pay the required fees associated with this permit.

**Condition 17: Monitoring, Related Recordkeeping and Reporting Requirements**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 17.1:**

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, 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 18: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 18.1:**

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 relieve the permittee from the requirement to comply with any condition contained in this permit.

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.

**Condition 19: Permit Shield**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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



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**Item 19.1:**

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

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

**Condition 20: Property Rights**

**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 20.1:**

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

**Condition 21: Reopening for Cause**

**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 21.1:**

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



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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.

**Item 21.2:**

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

**Item 21.3:**

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.

**Condition 22: Right to Inspect**

**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 22.1:**

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

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

**Condition 23: Severability**

**Effective between the dates of 08/28/2001 and 08/27/2006**

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

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**Item 23.1:**

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.

**Condition 24: Emission Unit Definition**

**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 24.1:**

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

Emission Unit: U-00001

Emission Unit Description:

TWO ZIMPRO MULTI-HEARTH INCINERATORS WITH THERMAL AFTERBURNERS, SPRAY TOWERS, VENTURI SCRUBBERS, IMPINGEMENT PLATE SCRUBBERS AND I.D. FANS.

Building(s): 2

**Item 24.2:**

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

Emission Unit: U-00002

Emission Unit Description:

2 CLEAVER BROOKS BOILERS BURNING UP TO 280 GALLONS OF #2 FUEL OIL EACH, EXHAUSTING THROUGH A COMMON STACK.

Building(s): 2

**Item 24.3:**

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

Emission Unit: U-00003

Emission Unit Description:

LIQUID AND SOLID OPEN PROCESSES, PROCESSING UP TO 30.5 MGD OF WASTE WATER, EMITTING VOCs AND HAPs. THERE ARE 5 PACKED BED SCRUBBERS USING HYPOCHLORITE TO REMOVE TRACE ORGANICS FROM SLUDGE CONDITIONING OFF GASES PRIOR TO DISCHARGE.

Building(s): 2

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**Item 24.4:**

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



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Emission Unit: U-00004  
Emission Unit Description:  
ASH SILO EXHAUST.

Building(s): 2

**Condition 25: Compliance Certification**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 25.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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



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Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 26: Compliance Certification**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

- 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.

Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters.



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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.

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 Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

NYSDEC  
SUNY Campus  
Building 40  
Stony Brook, NY 11790-2356

The address for the BCME is as follows:

NYSDEC  
Bureau of Compliance Monitoring  
and Enforcement  
625 Broadway  
Albany, NY 12233-3258

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after previous reporting period

**Condition 27: Permit Exclusion Provisions**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 27.1:**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall



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not be construed as barring, diminishing, adjudicating or in any way affecting any currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR), and particularly any such enforcement action as may be authorized pursuant to 6 NYCRR 201-1.2 and 6 NYCRR 201-6.5(g).

The issuance of this permit by the Department and the receipt thereof by the Applicant does not supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by this permit.

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 the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

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 the right of the Department to pursue any claims for natural resource damages against the Applicant.

**Condition 28: Non Applicable requirements**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

**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 29: Required emissions tests**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 29.1:**

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.



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**Condition 30: Compliance Certification**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**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 08/28/2001 and 08/27/2006**

**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.

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

**Condition 32: Visible emissions limited.**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 32.1:**

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



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**Condition 33: Compliance Certification**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 33.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 33.2:**

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:

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- 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



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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 Limit of Monitoring: 57 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ONE CONTINUOUS 6-MINUTE PERIOD PER HOUR

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 34: Compliance Certification**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

**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

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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 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



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Upper Limit of Monitoring: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 35: Open Fires Prohibited at Industrial and Commercial Sites  
Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 215.**

**Item 35.1:**

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.

**Condition 36: Compliance Certification  
Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 225-1.8**

**Item 36.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator of a facility which purchases and fires coal and/or oil shall submit reports to the commissioner containing fuel analysis data, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. All records shall be available for a minimum of three years.

Reference Test Method: EPA Approved

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 37: Compliance Certification  
Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 37.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 37.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity (on a six minute block period) except for one six minute block period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

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 the 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



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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 Limit of Monitoring: 27 percent

Reference Test Method: METHOD 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING

**DESCRIPTION**

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 38: Conditions for wastewater treatment sludge incineration and drying plants  
Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 40CFR 61.50, NESHAP Subpart E**

**Item 38.1:**

A. Emission Standard. Emissions to the atmosphere from sludge incineration plants, sludge drying plants, or a combination of these that process wastewater treatment plant sludges shall not exceed 3200 grams of mercury per 24-hour period.

B. Stack Testing Method 101A in Appendix B to 40CFR61 shall be used to test emissions as follows:

(1) The test shall be performed within 90 days of start up in the case of a new source. Existing sources were to be tested within 90 days of the effective date of 40CFR61 Subpart E.

(2) The Administrator shall be notified at least 30 days prior to an emission test, so that he may at his option observe the test.

(3) Samples shall be taken over such a period or periods as are necessary to determine



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accurately the maximum emissions which will occur in a 24-hour period. No changes shall be made in the operation which would potentially increase emissions above the level determined by the most recent stack test, until the new emission level has been estimated by calculation and the results reported to the Administrator.

(4) All samples shall be analyzed and mercury emissions shall be determined within 30 days after the stack test. Each determination shall be reported to the Administrator by a registered letter dispatched within 15 calendar days following the date such determination is completed.

(5) Records of emission test results and other data needed to determine total emissions shall be retained at the source and shall be made available, for the inspection by the Administrator, for a minimum of 2 years.

C. Sludge sampling. As an alternative means to stack testing for demonstrating compliance with the emission standard, an owner or operator may follow the procedures found in 40CFR61.54-sludge sampling.

D. Monitoring of emissions and operations. All sources for which mercury emissions exceed 1,600 grams per 24-hour period, demonstrated either by stack sampling according to 40CFR61.53 or sludge sampling according to 40CFR61.54, shall monitor mercury emissions at intervals of at least once per year by use of Method 105 of 40CFR61 Appendix B or use the procedures specified in 40CFR61.53 (d)(2) and (4). The results of monitoring shall be reported by a registered letter dispatched within 15 calendar days following the date samples are analyzed. Records of sampling results shall be retained at the source and made available for inspection for a minimum of 2 years.

**Condition 39: Sludge Sampling-Sludge incineration and drying plants.  
(may be used as an alternative to stack testing)  
Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 40CFR 61.50, NESHAP Subpart E**

**Item 39.1:**

Sludge Sampling. As an alternative to stack sampling, an owner or operator may use Method 105 of Appendix B to 40CFR61 and the following procedures.

1. A sludge test shall be conducted within 90 days of startup .
2. The Administrator shall be notified at least 30 days prior to a sludge sampling test, so that he may at his option observe the test.
3. Sludge shall be sampled according to EPA Method 105-Determination of Mercury in Wastewater Treatment Plant Sewage Sludges. A total of three composite samples shall be obtained within an operating period of 24 hours. When the 24-hour operating period is not continuous, the total sampling period shall not exceed 72 hours after the first grab sample is obtained. Samples shall not be exposed to any condition that may result in mercury contamination or loss.
4. The maximum 24-hour period sludge incineration or drying rate shall be determined by use of a flow rate measurement device that can measure the mass rate of sludge charged to the incinerator or



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dryer with an accuracy of +/- 5 percent over its operating range. Other methods of measuring sludge mass charging rates may be used if they have received prior approval by the Administrator.

5. The sampling, handling, preparation, and analysis of sludge samples shall be accomplished according to Method 105 in Appendix B of 40CFR61.

6. The mercury emissions shall be determined by use of the following equation:

$$E_{Hg} = (MQF_{sm}(avg))/1000$$

Where:  $E_{Hg}$  = Mercury emissions, g/day.

$M$  = Mercury concentration of sludge on a dry solids basis, ug/g.

$Q$  = Sludge changing rate, kg/day.

$F_{sm}$  = Weight fraction of solids in the collected sludge after mixing.

1000 = Conversion factor, kg ug/g<sup>2</sup>.

7. No changes in the operation of a plant shall be made after a sludge test has been conducted which would potentially increase emissions above the level determined by the most recent sludge test, until the new emission level has been estimated by calculation and the results reported to the Administrator.

8. All sludge samples shall be analyzed for mercury content within 30 days after the sludge sample is collected. Each determination shall be reported to the Administrator by a registered letter dispatched within 15 calendar days following the date such determination is completed.

9. Records of sludge sampling, charging rate determination and other data needed to determine mercury content of wastewater treatment plant sludges shall be retained at the source and made available, for inspection by the Administrator, for a minimum of 2 years.

**Condition 40: Recycling and Emissions Reduction**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 40.1:**

The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVAC's in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR Part 82.156.

b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR Part 82.158.

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- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR Part 82.161.
- d. Persons disposing of small appliances, MVAC's, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR Part 82.166. ("MVAC-like appliance as defined at 40 CFR Part 82.152)
- e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR Part 82.156.
- f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82.166.

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

**Condition 41: Emission Point Definition By Emission Unit  
Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 41.1:**

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

Emission Unit: U-00001

Emission Point: INCN1

|                     |                    |             |
|---------------------|--------------------|-------------|
| Height (ft.): 76    | Diameter (in.): 78 |             |
| NYTMN (km.): 4503.6 | NYTME (km.): 640.  | Building: 2 |

Emission Point: INCN2

|                     |                    |             |
|---------------------|--------------------|-------------|
| Height (ft.): 76    | Diameter (in.): 78 |             |
| NYTMN (km.): 4503.6 | NYTME (km.): 640.  | Building: 2 |

**Item 41.2:**

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

Emission Unit: U-00002

Emission Point: BOILS

|                     |                    |             |
|---------------------|--------------------|-------------|
| Height (ft.): 75    | Diameter (in.): 60 |             |
| NYTMN (km.): 4503.6 | NYTME (km.): 640.  | Building: 2 |

**Item 41.3:**

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

Emission Unit: U-00003



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|                       |                     |                  |  |
|-----------------------|---------------------|------------------|--|
| Emission Point: PBST0 |                     |                  |  |
| Height (ft.): 4       | Diameter (in.): 140 |                  |  |
| NYTMN (km.): 4503.6   | NYTME (km.): 640.   | Building: 8      |  |
| Emission Point: PBST1 |                     |                  |  |
| Height (ft.): 27      | Diameter (in.): 132 |                  |  |
| NYTMN (km.): 4503.6   | NYTME (km.): 640.   | Building: 6      |  |
| Emission Point: PBST2 |                     |                  |  |
| Height (ft.): 27      | Diameter (in.): 132 |                  |  |
| NYTMN (km.): 4503.6   | NYTME (km.): 640.   | Building: 6      |  |
| Emission Point: PBST3 |                     |                  |  |
| Height (ft.): 24      | Diameter (in.): 132 |                  |  |
| NYTMN (km.): 4503.6   | NYTME (km.): 640.   | Building: 2      |  |
| Emission Point: PBST4 |                     |                  |  |
| Height (ft.): 22      | Diameter (in.): 60  |                  |  |
| NYTMN (km.): 4503.6   | NYTME (km.): 640.   | Building: 6      |  |
| Emission Point: PBST5 |                     |                  |  |
| Height (ft.): 26      | Diameter (in.): 120 |                  |  |
| NYTMN (km.): 4503.6   | NYTME (km.): 640.   | Building: 2      |  |
| Emission Point: PBST6 |                     |                  |  |
| Height (ft.): 12      | Length (in.): 1260  | Width (in.): 144 |  |
| NYTMN (km.): 4503.6   | NYTME (km.): 640.   | Building: 8      |  |
| Emission Point: PBST7 |                     |                  |  |
| Height (ft.): 6       | Length (in.): 1920  | Width (in.): 480 |  |
| NYTMN (km.): 4503.6   | NYTME (km.): 640.   | Building: 8      |  |
| Emission Point: PBST8 |                     |                  |  |
| Height (ft.): 6       | Length (in.): 3768  | Width (in.): 420 |  |
| Emission Point: PBST9 |                     |                  |  |
| Height (ft.): 1       | Diameter (in.): 110 |                  |  |
| NYTMN (km.): 4503.6   | NYTME (km.): 640.   | Building: 8      |  |

**Item 41.4:**

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

Emission Unit: U-00004

Emission Point: 0SILO

Height (ft.): 71                      Diameter (in.): 18

**Condition 42: Process Definition By Emission Unit**

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**Facility DEC ID: 1472000355**



**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 42.1:**

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

Emission Unit: U-00001

Process: SSI

Source Classification Code: 5-02-005-15

Process Description:

Municipal sewage sludge burned in two vertical multi-hearth incinerators with no.2 fuel oil. Each incinerators is exhausted through an afterburner, spray tower, venturi scrubber, impingement plate scrubber and I.D fan, prior to exhausting to their respective stacks.

Emission Source/Control: 00002 - Control

Control Type: CATALYTIC AFTERBURNER

Emission Source/Control: 00003 - Control

Control Type: SPRAY TOWER

Emission Source/Control: 00004 - Control

Control Type: IMPINGEMENT PLATE SCRUBBER

Emission Source/Control: 00006 - Control

Control Type: CATALYTIC AFTERBURNER

Emission Source/Control: 00007 - Control

Control Type: SPRAY TOWER

Emission Source/Control: 00008 - Control

Control Type: IMPINGEMENT PLATE SCRUBBER

Emission Source/Control: 00001 - Incinerator

Design Capacity: 118 tons per day

Waste Feed Method: CHUTE FED

Waste Type: SEWAGE SLUDGE

Emission Source/Control: 00005 - Incinerator

Design Capacity: 118 tons per day

Waste Feed Method: CHUTE FED

Waste Type: SEWAGE SLUDGE

**Item 42.2:**

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

Emission Unit: U-00002



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**Facility DEC ID: 1472000355**

Process: P02

Source Classification Code: 1-02-005-01

Process Description:

Firing #2 fuel oil in boilers (in use one at a time).  
Maximum firing rate is 280 gal/hr. These units produce  
30,000 lb/hr of steam to meet facility heating and cooling  
requirements.

Emission Source/Control: 00009 - Combustion

Design Capacity: 40 million Btu per hour

Emission Source/Control: 00010 - Combustion

Design Capacity: 40 million Btu per hour

**Item 42.3:**

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

Emission Unit: U-00003

Process: P11

Source Classification Code: 5-01-820-01

Process Description: Two (2) Scavenger waste holding tanks

Emission Source/Control: 00027 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00028 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00011 - Process

**Item 42.4:**

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

Emission Unit: U-00003

Process: P12

Source Classification Code: 5-01-820-01

Process Description: Two (2) Scavenger waste chemical tanks

Emission Source/Control: 00030 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00012 - Process

**Item 42.5:**

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

Emission Unit: U-00003

Process: P13

Source Classification Code: 5-01-820-01

Process Description:

Two(2) equalization tanks and pump station for scavenger  
waste treatment.

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Emission Source/Control: 00013 - Process

**Item 42.6:**

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

Emission Unit: U-00003

Process: P14

Source Classification Code: 5-01-820-01

Process Description: Three (3) cyclone de-gritters (scavenger waste)

Emission Source/Control: 00030 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00014 - Process

**Item 42.7:**

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

Emission Unit: U-00003

Process: P15

Source Classification Code: 5-01-820-01

Process Description: One (1) main effluent wet well.

Emission Source/Control: 00015 - Process

**Item 42.8:**

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

Emission Unit: U-00003

Process: P16

Source Classification Code: 5-01-820-01

Process Description: Two (2) aerated grit tanks

Emission Source/Control: 00016 - Process

**Item 42.9:**

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

Emission Unit: U-00003

Process: P17

Source Classification Code: 5-01-820-01

n0 Process Description: Four (4) primary settling tanks

Emission Source/Control: 00017 - Process

**Item 42.10:**

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

Emission Unit: U-00003

Process: P18

Source Classification Code: 5-01-820-01

Process Description: Eight (8) aeration tanks

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Emission Source/Control: 00018 - Process

**Item 42.11:**

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

Emission Unit: U-00003

Process: P19

Source Classification Code: 5-01-820-01

Process Description: Six (6) clarifiers

Emission Source/Control: 00019 - Process

**Item 42.12:**

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

Emission Unit: U-00003

Process: P20

Source Classification Code: 5-01-820-01

Process Description: Two (2) sludge blending tanks

Emission Source/Control: 00029 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00031 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00020 - Process

**Item 42.13:**

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

Emission Unit: U-00003

Process: P21

Source Classification Code: 5-01-820-01

Process Description: Two (2) gravity belt thickeners

Emission Source/Control: 00029 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00031 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00021 - Process

**Item 42.14:**

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

Emission Unit: U-00003

Process: P22

Source Classification Code: 5-01-820-01

Process Description: One (1) scum handling system

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Emission Source/Control: 00029 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00031 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00022 - Process

**Item 42.15:**

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

Emission Unit: U-00003  
Process: P23  
Source Classification Code: 5-01-820-01  
Process Description: Two (2) air floatation sludge thickeners

Emission Source/Control: 00029 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00031 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00023 - Process

**Item 42.16:**

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

Emission Unit: U-00003  
Process: P24  
Source Classification Code: 5-01-820-01  
Process Description: Four (4) belt presses

Emission Source/Control: 00029 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00031 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00024 - Process

**Item 42.17:**

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

Emission Unit: U-00003  
Process: P25  
Source Classification Code: 5-01-820-01  
Process Description: One (1) effluent wet well

Emission Source/Control: 00025 - Process



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**Item 42.18:**

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

Emission Unit: U-00004

Process: P26

Source Classification Code: 5-02-005-15

Process Description:

Ash from the incineration of sludge is pneumatically conveyed to a silo, where the ash is centrifugally separated from the air, filtered and washed, before release to the atmosphere.

Emission Source/Control: 00026 - Control

Control Type: CENTRIFUGAL

Emission Source/Control: 00032 - Process

**Condition 43: Compliance Certification**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 212.11(a)**

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The unit consists of two multiple hearth incinerators. The incinerators have not been operating since May 2000. They will resume operation sometime in 2001. Performance tests must be performed on both incinerators after the incinerators are back on-line. In addition to particulate emissions, the test will determine the control efficiencies of trace metals- arsenic, cadmium, chromium, nickel, lead and hexavalent chromium. Mercury emissions also must be determined using the stack test. The facility is upgrading the Oxygen monitors and CEMs to monitor the incinerator operations. All monitors must be calibrated and tested prior to the Performance test. The operating parameters including, but not limited to, the following shall be monitored during the test:

- 1) Incinerator combustion temperature
- 2) Temperature of flue gas entering the air pollution

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- control device
- 3) Wet scrubber pressure drop
- 4) Auxiliary fuel type and feed rates
- 5) Sludge feed rate and its moisture content
- 6) Incinerator exhaust flow rate
- 7) Stack gas oxygen content etc.;

The facility has the option to perform the test on both incinerators within 180 days after the incinerators are back on-line or to perform one incinerator at a time. If the facility chooses to perform to test one incinerator at a time, the first unit must be tested within 180 days after the incinerators are back on-line, and the second incinerator must be tested within one year after the incinerators are back on-line. Stack test protocols must be submitted to the Department 90 days prior to the proposed test dates. A Department approved protocol must be used for each test. Stack test reports are due to the Department within 60 days after the completion of the test. The Permit must be modified to incorporate the limits based on the data collected on the parameters during stack testing.

Reference Test Method: EPA Approved methods

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 44: Compliance Certification**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 212.11(b)(5)**

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 44.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The incinerators must be equipped with an instrument that measures and read the total hydrocarbons in the incinerator exhaust gas. This instrument shall employ a flame ionization detector, shall have a heated sampling maintained at 150 degree Celsius or higher at all times



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and shall be calibrated at least once every 24-hour operating period using propane. The monthly average concentration for Total hydrocarbons in the exit gas from the incinerators corrected to zero percent moisture and 7% oxygen as per 40CFR 503.44, shall not exceed 100 parts per million on a volumetric basis.

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 45: Compliance Certification**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 225-1.**

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Item 45.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Additional fuel will be monitored for sulfur concentration (less than 0.37% by weight) to limit SO<sub>2</sub> emissions. Supplier certification will be used to determine the sulfur content.

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 0.37 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 46: Compliance Certification**

**Effective between the dates of 08/28/2001 and 08/27/2006**

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**Applicable Federal Requirement: 40CFR 60, NSPS Subpart O**

**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following devices shall be installed, calibrated, maintained and operated:

- 1) A belt weigh scale to determine the mass of sludge charged to the incinerator. This weighing device shall be operated continuously and data shall be recorded during all periods of operation of the incinerator.
- 2) A monitoring device that continuously measures and records the pressure drop through the wet scrubber.
- 3) A monitoring device that continuously measures and records the Oxygen content of the incinerator gas.
- 4) A temperature measuring device at every hearth of the incinerator.
- 5) A device for measuring the fuel flow to each incinerator.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 47: Compliance Certification**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart O**

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 47.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Owner or Operator of any multiple hearth incinerator

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from which the average particulate matter emission rate measured during the performance test exceeds 0.38 g/kg of dry sludge input (0.75 lb/ton of dry sludge input) shall include in the report for each calendar day that a decrease in scrubber pressure drop or increase in oxygen content of exhaust gas is reported a record of the following:

- 1) Scrubber pressure drop averaged over each 1-hour incinerator operating period.
- 2) Oxygen content in the incinerator exhaust averaged over each 1-hour incinerator operating period.
- 3) Temperatures of every hearth in the incinerators averaged over each 1-hour incinerator-operating period. Each hearth of the multiple hearth incinerator is equipped with a thermocouple to monitor temperature. The temperature is shown instantaneously and recorded hourly.
- 4) Rate of sludge charged to the incinerator averaged over each 1-hour incinerator operating period.
- 5) Incinerator fuel use shall be averaged over each 8-hour incinerator operating period. The fuel flow-measuring device shall be certified by the manufacturer to have an accuracy of  $\pm 5\%$  over its operating range. The fuel flow measuring device shall be operated continuously and data recorded during all periods of operation of incinerator.
- 6) Moisture and volatile solids content of the daily grab sample of sludge charged to the incinerator.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 48: Compliance Certification**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart O**

**Item 48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES



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**Item 48.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity shall not exceed 20% in any six consecutive minute period. The monitoring of opacity shall be performed as described under 211.3 condition(Condition #34) in this permit. If the facility install a Continuous Opacity Monitor(COM), a QA/QC program for the COM must be submitted to the Department for approval.

Upper Limit of Monitoring: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 49: Compliance Certification**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart O**

**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 49.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility must take a daily grab sample of the sludge charged to the incinerator. The dry sludge content and the volatile solid content of the sample shall be determined in accordance with the approved method.

Reference Test Method: 209 F

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 50: Compliance Certification**



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**Facility DEC ID: 1472000355**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart O**

**Item 50.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 50.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Access to the sludge charged shall be provided, to obtain samples.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 51: Compliance Certification**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart O**

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A sample of the sludge fed to the incinerator shall be taken once a day to determine the dry sludge content and the volatile solids content of the sample.

Reference Test Method: Method 209F

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 52: Compliance Certification**



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**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart O**

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 52.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A record of average oxygen content in the incinerator exhaust gas for each period of 1-hour duration or more that the oxygen content of the incinerator exhaust gas exceeds the average oxygen content measured during the most recent performance test by more than 3 percent. The average oxygen in the stack gas measured during the last performance test performed on March 30, 1995 was 12.8%. The average oxygen content shall be updated with the latest performance test report. The test will determine the particulate emissions from the incinerators and establish operating parameter values for maximum oxygen and minimum scrubber system differential pressure.

Upper Limit of Monitoring: 13.2 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 53: Compliance Certification**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart O**

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

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**Item 53.2:**

Compliance Certification shall include the following monitoring:

n0

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The unit consists of two multiple hearth incinerators. The incinerators have not been operating since May 2000. They will resume operation sometime in 2001. An emission test must be performed on both units after the incinerators are back on-line. The test will determine the particulate emissions from the incinerators. Emissions of particulates matter shall not exceed 1.30 lb/ton of dry sludge input. The operating parameters including, but not limited to, the following shall be monitored during the test:

- 1) Incinerator combustion temperature
- 2) Temperature of flue gas entering the air pollution control device
- 3) Wet scrubber pressure drop
- 4) Auxiliary fuel type and feed rates
- 5) Sludge feed rate and its moisture content
- 6) Incinerator exhaust flow rate
- 7) Stack gas oxygen content etc.;

Facility may perform the test on one incinerator within 180 days after the incinerator is back on-line. Test on the second incinerator may be done within 360 days after the incinerators are back on-line. A stack test protocol must be submitted to the Department 90 days prior to the proposed test dates. Department approved protocol must be used for each test. A stack test report must be submitted to the Department within 60 days after the completion of the test. The permit must be modified to incorporate the limits based on the data collected on the parameters during stack testing.

Upper Limit of Monitoring: 1.3 pounds per ton

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 54: Compliance Certification**

**Effective between the dates of 08/28/2001 and 08/27/2006**



**New York State Department of Environmental Conservation**

**Permit ID: 1-4720-00355/00043**

**Facility DEC ID: 1472000355**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart O**

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 54.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The maximum wet sludge feed rate allowed is 4.5  
ton/hour. The sludge rate will be measured using a weigh  
scale. The weigh scale shall be calibrated on a frequency  
recommended by the manufacturer.

Upper Limit of Monitoring: 4.5 tons per hour

Monitoring Frequency: HOURLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 55: Compliance Certification**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart O**

**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of the incinerator shall submit to  
the Administrator and to NYSDEC region 1, Stony Brook, a  
semi-annual report which contains the following:

- 1) A record of average scrubber pressure drop measurements  
for each period of 15 minutes duration or more during  
which pressure drop of the scrubber was less than, by a  
percentage specified below, the average scrubber pressure

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**Facility DEC ID: 1472000355**



drop measured during the most recent performance test.  
The percent reduction in scrubber pressure drop for which a report is required shall be determined as follows:

i) For incinerators that achieved an average particulate matter emission rate of 0.38 kg/Mg (0.75 lb/ton) dry sludge input or less during the most recent performance test, a scrubber pressure drop reduction of more than 30 percent from the average scrubber pressure drop recorded during the most recent performance test shall be reported.

ii) For incinerators that achieved an average particulate matter emission rate of greater than 0.38 kg/Mg (0.75 lb/ton) dry sludge input during the most recent performance test, a percent reduction in pressure drop greater than that calculated according to the following equation shall be reported.:

$$P = -111E + 72.15$$

Where P= percent reduction in pressure drop and

E= Average particulate matter emissions (kg/megagram)

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 56: Compliance Certification**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 225-1.**

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Item 56.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

BOILERS WILL BURN #2 FUEL OIL WITH LOW SULFUR CONTENT(LESS THAN 0.37% BY WEIGHT)

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**Permit ID: 1-4720-00355/00043**

**Facility DEC ID: 1472000355**



TO LIMIT SO<sub>2</sub> EMISSIONS. SUPPLIER  
CERTIFICATION WILL BE USED TO VERIFY  
SULFUR CONTENT ON A PER DELIVERY BASIS  
AND RECORDS WILL BE MAINTAINED AT THE  
FACILITY.

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 0.37 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 57: Compliance Certification**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)**

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 57.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The design capacity of each boiler is 40 mmbtu/hr. Number  
2 fuel oil shall be used as boiler fuel. Only one boiler  
shall be used at a time. Maximum firing rate is 280  
gal/hour. The units produce 30,000 lb/hr of steam.

Upper Limit of Monitoring: 280 gallons per hour

Reference Test Method: EPA Approved

Monitoring Frequency: HOURLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 58: Compliance Certification**



**New York State Department of Environmental Conservation**

**Permit ID: 1-4720-00355/00043**

**Facility DEC ID: 1472000355**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.**

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Boilers tuned once per year. A boiler operator or an approved specialist may perform the tune up in accordance with procedures provided by the manufacturer. The following information must be maintained in a log that will be kept at the facility.

- 1) the date on which the combustion process was last adjusted
- 2) the name, title and affiliation of the person who made the adjustments; and
- 3) any other information that the Department may require as a condition of approval of any permit or certificate

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after previous reporting period

**Condition 59: Compliance Certification**

**Effective between the dates of 08/28/2001 and 08/27/2006**

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

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: BOILS

**Item 59.2:**

Compliance Certification shall include the following monitoring:

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**Permit ID: 1-4720-00355/00043**

**Facility DEC ID: 1472000355**



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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**New York State Department of Environmental Conservation**

Permit ID: 1-4720-00355/00043

Facility DEC ID: 1472000355



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**Condition 60: General Provisions**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable State Requirement: 6NYCRR 201-5.**

**Item 60.1:**

This section contains terms and conditions that are not federally enforceable and are not required under the Act or under any of its applicable requirements. Terms and conditions so designated are not subject to the requirements of Section 201-6.4 of Part 201.

**Item 60.2:**

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.

**Item 60.3:**

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

**Condition 61: Contaminant List**

**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable State Requirement: 6NYCRR 201-5.3(b)**

**Item 61.1:**

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

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN



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**Permit ID: 1-4720-00355/00043**

**Facility DEC ID: 1472000355**

**Condition 62: Air pollution prohibited**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 62.1:**

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.

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

**Condition 63: Compliance Certification**  
**Effective between the dates of 08/28/2001 and 08/27/2006**

**Applicable State Requirement: 6NYCRR 219-1.2**

**Item 63.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 63.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No household trash fitting the definition of municipal solid waste shall be burned in the sewage sludge incinerator unless compliance with the requirements of Part 219 are addressed in the Permit. Compliance with this condition must be included in the semiannual monitoring report and the annual compliance certification.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)