

**New York State Department of Environmental Conservation  
Facility DEC ID: 4381700013**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 4-3817-00013/00004  
Mod 0 Effective Date: 06/23/2003 Expiration Date: No expiration date.  
Mod 1 Effective Date: 04/16/2007 Expiration Date: No expiration date.

Permit Issued To: STATE UNIVERSITY OF NEW YORK  
STATE UNIVERSITY PLAZA  
381 BROADWAY  
ALBANY, NY 12246

Contact: STEPHEN COWEN  
HUDSON VALLEY COMMUNITY COLLEGE  
80 VANDENBURGH AVE  
TROY, NY 12180-6096  
(518) 629-7356

Facility: HUDSON VALLEY COMMUNITY COLLEGE  
80 VANDENBURGH AVE - US RT 4  
TROY, NY 12180

Description:  
HVCC operates a cogeneration facility. The cogeneration facility currently includes one landfill gas engine, four natural gas engines and an emergency-use diesel generator. This modification will; remove the engine specific (CG003 and CG004) restrictions on the annual hours of operation, lower the existing CO cap and add new caps for emissions of VOC and NOx.

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: NANCY M ADAMS  
1130 N WESTCOTT RD  
SCHENECTADY, NY 12306-2014

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



**Notification of Other State Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

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

**Item B: Permittee's Contractors to Comply with Permit**

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

**Item C: Permittee Responsible for Obtaining Other Required Permits**

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Relationship of this Permit to Other Department Orders and Determinations

Applications for permit renewals, modifications and transfers

Applications for Permit Renewals and Modifications

Applications for Permit Renewals and Modifications

Permit modifications, suspensions or revocations by the Department

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 4  
HEADQUARTERS

Submission of application for permit modification or renewal-REGION 4  
HEADQUARTERS



**DEC GENERAL CONDITIONS**  
**\*\*\*\* General Provisions \*\*\*\***  
**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 2: Facility Inspection by the Department**  
**Applicable State Requirement: ECL 19-0305**

**Item 2.1:**

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 2.2:**

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 2.3:**

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

**Item 3.1:**

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



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requirements contained in such order or determination.

**Condition 4: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 4.1:**

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

**Condition 1-1: Applications for permit renewals, modifications and transfers**  
**Applicable State Requirement: 6NYCRR 621.11**

**Item 1-1.1:**

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

**Item 1-1.2:**

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

**Item 1-1.3:**

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

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

**Item 6.1:**

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 6.2:**

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

**Item 6.3:**

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

**Condition 5: Applications for Permit Renewals and Modifications**



**Applicable State Requirement: 6NYCRR 621.13**

**Item 5.1:**

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 5.2:**

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

**Item 5.3:**

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

**Condition 1-2: Permit modifications, suspensions or revocations by the Department**

**Applicable State Requirement: 6NYCRR 621.13**

**Item 1-2.1:**

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

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

**Condition 7: Permit Modifications, Suspensions and Revocations by the Department**

**Applicable State Requirement: 6NYCRR 621.14**

**Item 7.1:**

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

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

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related to the permitted activity.

**Condition 8: Permit Modifications, Suspensions and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 8.1:**

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

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

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

**Condition 9: Submission of Applications for Permit Modification or Renewal -REGION 4 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 9.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 4 Headquarters  
Division of Environmental Permits  
1150 North Westcott Rd.  
Schenectady, NY 12306-2014  
(518) 357-2069

**Condition 1-3: Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.6(a)**

**Item 1-3.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 4 Headquarters  
Division of Environmental Permits  
1130 North Westcott Rd.  
Schenectady, NY 12306-2014  
(518) 357-2069



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

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: STATE UNIVERSITY OF NEW YORK  
STATE UNIVERSITY PLAZA  
381 BROADWAY  
ALBANY, NY 12246

Facility: HUDSON VALLEY COMMUNITY COLLEGE  
80 VANDENBURGH AVE - US RT 4  
TROY, NY 12180

Authorized Activity By Standard Industrial Classification Code:  
4931 - ELEC & OTHER SERVICES COMBINED

Mod 0 Permit Effective Date: 06/23/2003

Permit Expiration Date: No expiration date.

Mod 1 Permit Effective Date: 04/16/2007

Permit Expiration Date: No expiration date.



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1-1 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 2 6NYCRR 201-3.2(a): Compliance Demonstration
- 1-2 6NYCRR 202-1.1: Required Emissions Tests
- 1 6NYCRR 201-3.1(a): Exempt and Trivial Activities Applicability
- 1-3 6NYCRR 201-7.2: Facility Permissible Emissions
- \*1-4 6NYCRR 201-7.2: Capping Monitoring Condition
- \*1-5 6NYCRR 201-7.2: Capping Monitoring Condition
- \*1-6 6NYCRR 201-7.2: Capping Monitoring Condition
- 1-7 6NYCRR 202-1.2: Notification
- 1-8 6NYCRR 225-1: Compliance Demonstration

**Emission Unit Level**

**EU=E-U0001**

- 1-9 6NYCRR 202-1: Compliance Demonstration
- 7 6NYCRR 227-1.3(a): Compliance Demonstration
- 8 6NYCRR 227-1.3(a): Compliance Demonstration
- 9 6NYCRR 227-1.6(a): Corrective Action
- 10 6NYCRR 227-1.6(b): Corrective Action
- 11 6NYCRR 227-1.6(c): Corrective Action
- 12 6NYCRR 227-1.6(d): Corrective Action

**EU=E-U0001,Proc=001,ES=CG001**

- 1-10 6NYCRR 202-1.1: Required emission tests

**EU=E-U0001,Proc=001,ES=CG002**

- 1-11 6NYCRR 202-1.1: Required emission tests

**EU=E-U0001,Proc=001,ES=CG003**

- 1-12 6NYCRR 202-1.1: Required emission tests

**EU=E-U0001,Proc=001,ES=CG004**

- 1-13 6NYCRR 202-1.1: Required emission tests

**EU=E-U0001,Proc=001,ES=CG006**

- 1-14 6NYCRR 202-1.1: Required emission tests

**EU=E-U0002**

- 14 6NYCRR 219-5.2(a): Compliance Demonstration
- 13 6NYCRR 219-5.3(a): Compliance Demonstration
- 15 6NYCRR 219-5.3(a): Compliance Demonstration
- 16 6NYCRR 219-5.4(b): Emissions testing.



17 6NYCRR 219-5.5: Abatement

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 18 ECL 19-0301: Contaminant List
- 19 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 20 6NYCRR 201-5: Emission Unit Definition
- 21 6NYCRR 211.2: Air pollution prohibited

**Emission Unit Level**

- 22 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 23 6NYCRR 201-5: Process Definition By Emission Unit

**NOTE: \* preceding the condition number indicates capping.**



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability**

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

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

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

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

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

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

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

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

Any person who owns or operates an air contamination

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

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

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

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

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

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

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

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

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

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

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

(4) The facility owner and/or operator notified the Department within two working days after the event



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occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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

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

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

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

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

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

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific



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

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

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

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

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

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

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

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

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



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

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

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

**FEDERAL APPLICABLE REQUIREMENTS**

**The following conditions are federally enforceable.**

**Condition 1-1: Exempt Sources - Proof of Eligibility**  
**Effective between the dates of 04/16/2007 and Permit Expiration Date**

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

**Item 1-1.1:**

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

**Condition 2: Compliance Demonstration**  
**Effective between the dates of 06/23/2003 and Permit Expiration Date**

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

**Item 2.1:**

The Compliance Demonstration activity will be performed for the Facility.

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**Item 2.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As proof of exempt eligibility for the emergency generators, the facility must maintain monthly records which demonstrate that each engine is operated less than 500 hours per year, on a 12-month rolling total basis.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MINIMUM ROLLED MONTHLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-2: Required Emissions Tests**

**Effective between the dates of 04/16/2007 and Permit Expiration Date**

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

**Item 1-2.1:**

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

**Condition 1: Exempt and Trivial Activities Applicability**

**Effective between the dates of 06/23/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-3.1(a)**

**Item 1.1:**

If the facility owner and/or operator performs any of the exempt and trivial activities listed in 6 NYCRR Part 201-3.2(c) or 201-3.3(c), such activities are exempt from the permitting provisions of 6 NYCRR Part 201-5, but not from other Parts of 6 NYCRR Chapter III, or from applicable permitting requirements of local air pollution control agencies.

**Condition 1-3: Facility Permissible Emissions**

**Effective between the dates of 04/16/2007 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 1-3.1:**

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following



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Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 000630-08-0 (From Mod 1) PTE: 190,000 pounds per year  
Name: CARBON MONOXIDE

CAS No: 0NY210-00-0 (From Mod 1) PTE: 190,000 pounds per year  
Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0 (From Mod 1) PTE: 79,000 pounds per year  
Name: VOC

**Condition 1-4: Capping Monitoring Condition**  
**Effective between the dates of 04/16/2007 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 1-4.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 201-6.1(a)  
6NYCRR 231-2

**Item 1-4.2:**

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

**Item 1-4.3:**

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

**Item 1-4.4:**

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

**Item 1-4.5:**

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



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**Item 1-4.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 1-4.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility is capping out of Title V requirements with a volatile organic compounds (VOV) emission limit of 39.5 tons/yr calculated on a twelve month rolling basis. The facility will calculate VOC emissions for each engine, using the following data; the manufacturer's emission factors for 3 possible operating points (50%, 75%,100%) depending on the actual load reported in g/bhp-hr units, the corresponding operating brake horsepower and, the actual hours run. This emissions data will be recorded for each operating minute, averaged for the day and recorded for the month.

Parameter Monitored: HORSEPOWER

Upper Permit Limit: 39.5 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 1-5: Capping Monitoring Condition**

**Effective between the dates of 04/16/2007 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 1-5.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 201-6.1(a)

**Item 1-5.2:**



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

**Item 1-5.3:**

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

**Item 1-5.4:**

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

**Item 1-5.5:**

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

**Item 1-5.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 1-5.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility is capping out of Title V requirements with a carbon monoxide (CO) emission limit of 95 tons/yr calculated on a twelve month rolling basis. The facility will calculate CO emissions for each engine, using the following data; the manufacturer's emission factors for 3 possible operating points (50%, 75%,100%) depending on the actual load reported in g/bhp-hr units, the corresponding operating brake horsepower and, the actual hours run. This emissions data will be recorded for each operating minute, averaged for the day and recorded for the month.



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Parameter Monitored: HORSEPOWER  
Upper Permit Limit: 95 tons per year  
Monitoring Frequency: MONTHLY  
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 12 calendar month(s).

**Condition 1-6: Capping Monitoring Condition**  
**Effective between the dates of 04/16/2007 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 1-6.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 201-6.1(a)  
6NYCRR 227-2

**Item 1-6.2:**

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

**Item 1-6.3:**

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

**Item 1-6.4:**

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

**Item 1-6.5:**

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

**Item 1-6.6:**

The Compliance Demonstration activity will be performed for the Facility.



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Regulated Contaminant(s):

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

**Item 1-6.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility is capping out of Title V requirements with a oxides of nitrogen (NOx) emission limit of 95 tons/yr calculated on a twelve month rolling basis. The facility will calculate NOx emissions for each engine, using the following data; the manufacturer's emission factors for 3 possible operating points (50%, 75%,100%) depending on the actual load reported in g/bhp-hr units, the corresponding operating brake horsepower and, the actual hours run. This emissions data will be recorded for each operating minute, averaged for the day and recorded for the month.

The 95 tons/yr NOx limit will also cap the facility out of NOx RACT requirements of Part 227-2.

Parameter Monitored: HORSEPOWER

Upper Permit Limit: 95 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 1-7: Notification**

**Effective between the dates of 04/16/2007 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 202-1.2**

**Item 1-7.1:**

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

**Condition 1-8: Compliance Demonstration**

**Effective between the dates of 04/16/2007 and Permit Expiration Date**



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

**Item 1-8.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 1-8.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility will maintain a fuel contract specifying a maximum sulfur content by weight of 0.5% for any fuel oil purchased. The facility will verify the content of each fuel delivery at the time of delivery, and the contract specifications annually.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

**Condition 1-9: Compliance Demonstration**

**Effective between the dates of 04/16/2007 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 202-1**

**Item 1-9.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-U0001

Regulated Contaminant(s):

CAS No: 000630-08-0      CARBON MONOXIDE

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

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**Item 1-9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions data will be verified by a Department approved stack testing program. This stack testing program will include a periodic stack gas analysis using a ECA 450 Analyzer or approved equivalent measuring the concentration of CO (carbon monoxide) and NOx (oxides of nitrogen) emissions in the engine exhaust.

The stack testing program shall include; the submittal of a stack testing protocol within 90 days of the issuance of the permit, a semiannual stack testing schedule of an engine, from each of the following engine groups; group A– engines 3,4,6 and group B – engines 1,2. The semiannual testing shall continue for a period not less than two years from the date of permit issuance. If the facility demonstrates a continuous 20% or less variation between Siemens Emissions Reporting System\* and the ECA 450 analyzer, then the facility may reduce the stack testing frequency to an annual schedule. In the case where the variation exceeds 40% the facility must initiate immediate corrective action.

The stack test protocol need not be resubmitted for repeat, identical stack testing.

\*The facility will calculate emissions for each engine, using the following data; the manufacturer's emission factors for 3 possible operating points (50%, 75%, 100%) depending on the actual load reported in g/bhp-hr units, the corresponding operating brake horsepower and, the actual hours run. This emissions data will be recorded for each operating minute, averaged for the day and recorded for the month.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 7: Compliance Demonstration**  
**Effective between the dates of 06/23/2003 and Permit Expiration Date**

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



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**Item 7.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-U0001

**Item 7.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: METHOD 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 8: Compliance Demonstration**  
**Effective between the dates of 06/23/2003 and Permit Expiration Date**

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

**Item 8.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-U0001

**Item 8.2:**

Compliance Demonstration 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

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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 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



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last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: METHOD 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 9: Corrective Action**  
**Effective between the dates of 06/23/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-1.6(a)**

**Item 9.1:**

This Condition applies to Emission Unit: E-U0001

**Item 9.2:**

Any facility found in violation of the provisions of this Part shall not cause, permit, or allow the operation of the affected stationary combustion installation unless:

- (1) it is equipped with approved emission control equipment;
- (2) it is rehabilitated or upgraded in an approved manner; or
- (3) the fuel is changed to an acceptable type.

**Condition 10: Corrective Action**  
**Effective between the dates of 06/23/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-1.6(b)**

**Item 10.1:**

This Condition applies to Emission Unit: E-U0001

**Item 10.2:**

The commissioner may seal such stationary combustion installation so as to prevent any operation if the conditions of paragraphs 6 NYCRR Part 227-1.6(a)(1)-(3) are not met within the time provided by the order of final determination issued in the case of the violation.

**Condition 11: Corrective Action**  
**Effective between the dates of 06/23/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-1.6(c)**



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**Item 11.1:**

This Condition applies to Emission Unit: E-U0001

**Item 11.2:**

No person shall cause, permit, or allow the operation of any affected stationary combustion installation sealed by the commissioner in accordance with 6 NYCRR Part 227-1.6.

**Condition 12: Corrective Action**

**Effective between the dates of 06/23/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-1.6(d)**

**Item 12.1:**

This Condition applies to Emission Unit: E-U0001

**Item 12.2:**

No person except the commissioner or his representatives shall remove, tamper with or destroy any seal affixed to any stationary combustion installation in accordance with 6 NYCRR Part 227-1.6.

**Condition 1-10: Required emission tests**

**Effective between the dates of 04/16/2007 and Permit Expiration Date**

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

**Item 1-10.1:**

This Condition applies to Emission Unit: E-U0001

Process: 001

Emission Source: CG001

**Item 1-10.2:**

An acceptable report of measured emissions shall be submitted, as required by the commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation.

**Condition 1-11: Required emission tests**

**Effective between the dates of 04/16/2007 and Permit Expiration Date**

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

**Item 1-11.1:**

This Condition applies to Emission Unit: E-U0001

Process: 001

Emission Source: CG002

**Item 1-11.2:**

An acceptable report of measured emissions shall be submitted, as required by the commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation.

**Condition 1-12: Required emission tests**

**Effective between the dates of 04/16/2007 and Permit Expiration Date**



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

**Item 1-12.1:**

This Condition applies to Emission Unit: E-U0001  
Process: 001 Emission Source: CG003

**Item 1-12.2:**

An acceptable report of measured emissions shall be submitted, as required by the commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation.

**Condition 1-13: Required emission tests**

**Effective between the dates of 04/16/2007 and Permit Expiration Date**

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

**Item 1-13.1:**

This Condition applies to Emission Unit: E-U0001  
Process: 001 Emission Source: CG004

**Item 1-13.2:**

An acceptable report of measured emissions shall be submitted, as required by the commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation.

**Condition 1-14: Required emission tests**

**Effective between the dates of 04/16/2007 and Permit Expiration Date**

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

**Item 1-14.1:**

This Condition applies to Emission Unit: E-U0001  
Process: 001 Emission Source: CG006

**Item 1-14.2:**

An acceptable report of measured emissions shall be submitted, as required by the commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation.

**Condition 14: Compliance Demonstration**

**Effective between the dates of 06/23/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 219-5.2(a)**

**Item 14.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-U0002



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Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 14.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

All incinerators having a capacity of 2,000 pounds per hour or less and built and installed after January 1, 1968, must be designed, built, installed, and operated to meet the emission limits of Figure 1, Appendix 2 of the regulation.

Within 1 year of the effective date of this permit, the permittee shall perform a stack test of Emission Source UnitR to determine compliance with the particulate emission limit of 0.3 pounds per hour. The stack testing shall be performed in accordance with 6NYCRR Part 202-1.

Upper Permit Limit: 0.3 pounds per hour

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 13: Compliance Demonstration**

**Effective between the dates of 06/23/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 219-5.3(a)**

**Item 13.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-U0002

**Item 13.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No incinerator, built or installed after January 26, 1967, regardless of size, will emit visible emissions having an average opacity during any six consecutive minutes of greater than 20 percent, under normal operating



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conditions.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 15: Compliance Demonstration**  
**Effective between the dates of 06/23/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 219-5.3(a)**

**Item 15.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-U0002

**Item 15.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No incinerator, built or installed after January 26, 1967, regardless of size, will emit visible emissions having an average opacity during any six consecutive minutes of greater than 20 percent, under normal operating conditions.

Operators of incinerators shall be required to perform the following:

- 1) Observe the stack(s) or vent(s) once per day when the incinerator is in operation 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

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

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 16: Emissions testing.**  
**Effective between the dates of 06/23/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 219-5.4(b)**

**Item 16.1:**

This Condition applies to Emission Unit: E-U0002

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**Item 16.2:**

The incinerator must be tested using emissions tests acceptable to the commissioner. Units which are representative models may be tested instead of an actual installation, using emission tests acceptable to the commissioner.

**Condition 17: Abatement**

**Effective between the dates of 06/23/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 219-5.5**

**Item 17.1:**

This Condition applies to Emission Unit: E-U0002

**Item 17.2:**

(a) Where the commissioner has reason to believe that an incinerator installation is violating the emission standards of section 219-5.2 of 6NYCRR, Subpart 219-5, the commissioner may have tests conducted. The owner must provide, at the owner's own expense, sampling holes and pertinent allied facilities as needed, at the request of the commissioner.

(b) If such tests indicate a contravention of the emission limits, the commissioner may require the installation of appropriate control equipment or the commissioner may seal the incinerator if such equipment is not installed within the time limit specified by the commissioner.

(c) The Commissioner may order the cleaning, repair, replacement or alteration of any equipment or control equipment which causes or is operated so as to cause a violation of 6NYCRR Subpart 219-5.

(d) The Commissioner may order a change in the manner of operation of any incinerator which is operated so as to cause a violation of 6NYCRR Subpart 219-5.



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

**Item A: Public Access to Recordkeeping for Facilities With State Facility Permits - 6NYCRR Part 201-1.10(a)**

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1), and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

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

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

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

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law.

**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state only enforceable.**

**Condition 18: Contaminant List**

**Effective between the dates of 06/23/2003 and Permit Expiration Date**

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

**Item 18.1:**

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

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

**Condition 19: Unavoidable noncompliance and violations**

**Effective between the dates of 06/23/2003 and Permit Expiration Date**

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

**Item 19.1:**

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

- (a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which



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contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

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

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

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

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

**Condition 20: Emission Unit Definition**

**Effective between the dates of 06/23/2003 and Permit Expiration Date**

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

**Item 20.1(From Mod 1):**

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

Emission Unit: E-U0001

Emission Unit Description:

HUDSON VALLEY COMMUNITY COLLEGE  
COGENERATION FACILITY CONSISTING OF ONE  
LANDFILL GAS-FIRED ENGINE, FOUR NATURAL  
GAS-FIRED ENGINES.



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Building(s): CHP PLANT

**Item 20.2(From Mod 1):**

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

Emission Unit: E-U0002

Emission Unit Description:

Hudson Valley Community College operates a crematorium on the campus. The crematorium was previously permitted with the NYSDEC under Certificate to Operate #C-381700-0176-00001-W-R.

Building(s): FTZ

**Item 20.3(From Mod 1):**

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

Emission Unit: E-U0003

Emission Unit Description:

Exempt Sources - including but not limited to: combustion sources (small boilers and emergency generators) located throughout the facility.

Building(s): CHP PLANT

**Condition 21: Air pollution prohibited**

**Effective between the dates of 06/23/2003 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 21.1:**

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 22: Emission Point Definition By Emission Unit**

**Effective between the dates of 06/23/2003 and Permit Expiration Date**

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

**Item 22.1(From Mod 1):**

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

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Emission Unit: E-U0001

Emission Point: EP001

Height (ft.): 31                      Diameter (in.): 12  
NYTMN (km.): 4727.6              NYTME (km.): 607.7              Building: CHP PLANT

Emission Point: EP002

Height (ft.): 31                      Diameter (in.): 12  
NYTMN (km.): 4727.6              NYTME (km.): 607.7              Building: CHP PLANT

Emission Point: EP003

Height (ft.): 31                      Diameter (in.): 14  
NYTMN (km.): 4727.6              NYTME (km.): 607.7              Building: CHP PLANT

Emission Point: EP004

Height (ft.): 31                      Diameter (in.): 14  
NYTMN (km.): 4727.6              NYTME (km.): 607.7              Building: CHP PLANT

Emission Point: EP007

Height (ft.): 31                      Diameter (in.): 14  
NYTMN (km.): 4727.6              NYTME (km.): 607.7              Building: CHP PLANT

**Item 22.2(From Mod 1):**

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

Emission Unit: E-U0002

Emission Point: EP006

Height (ft.): 65                      Diameter (in.): 18  
NYTMN (km.): 4727.6              NYTME (km.): 607.7              Building: FTZ

**Item 22.3(From Mod 1):**

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

Emission Unit: E-U0003

Emission Point: EP005

Height (ft.): 26                      Diameter (in.): 14  
NYTMN (km.): 4727.6              NYTME (km.): 607.7              Building: CHP PLANT

**Condition 23: Process Definition By Emission Unit**

**Effective between the dates of 06/23/2003 and Permit Expiration Date**

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

**Item 23.1(From Mod 1):**



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

Emission Unit: E-U0001

Process: 001

Source Classification Code: 2-03-008-02

Process Description:

ONE ELECTRICAL GENERATOR UTILIZES LANDFILL GAS FROM THE CITY OF TROY LANDFILL AND NATURAL GAS BACKUP (CG001). FOUR ELECTRICAL GENERATORS UTILIZE NATURAL GAS. (CG002, CG003, CG004, CG006).

Emission Source/Control: CG001 - Combustion

Design Capacity: 1,148 horsepower (mechanical)

Emission Source/Control: CG002 - Combustion

Design Capacity: 1,148 horsepower (mechanical)

Emission Source/Control: CG003 - Combustion

Design Capacity: 1,818 horsepower (mechanical)

Emission Source/Control: CG004 - Combustion

Design Capacity: 1,818 horsepower (mechanical)

Emission Source/Control: CG006 - Combustion

Design Capacity: 1,818 horsepower (mechanical)

**Item 23.2(From Mod 1):**

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

Emission Unit: E-U0002

Process: CTM

Source Classification Code: 5-02-001-01

Process Description:

Hudson Valley Community College operates a crematorium on the campus. The crematorium was previously permitted with the NYSDEC under Certificate to Operate #C-381700-0176-00001-W-R.

Emission Source/Control: UNITR - Incinerator

Waste Feed Method: MANUAL DIRECT FEED

Waste Type: CREMATORY WASTE (INCLUDING HUMAN AND/OR ANIMAL BODY PARTS AND ASSOCIATED ANIMAL BEDDING) ONLY

**Item 23.3(From Mod 1):**

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

Emission Unit: E-U0003

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Process: 002

Source Classification Code: 2-03-001-07

Process Description:

A DIESEL GENERATOR WILL BE INSTALLED AS AN EMERGENCY BACKUP TO SUPPLY POWER TO HVCC SHOULD THE GENERATORS COMBUSTING NATURAL GAS AND LANDFILL GAS BECOME INOPERABLE. THE DIESEL GENERATOR WILL BE LIMITED TO 500 HOURS OR LESS OF OPERATION PER YEAR.

Emission Source/Control: CG005 - Combustion

Design Capacity: 3,196 horsepower (mechanical)