

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 7253200002**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 7-2532-00002/00003  
Effective Date: 08/01/2005                      Expiration Date: No expiration date

Permit Issued To: COLGATE UNIVERSITY  
BROAD ST  
HAMILTON, NY 13346

Contact: JENNIFER A MARTIN  
COLGATE U - ENV HEALTH & SAFETY OFF  
SB-4 MCGREGORY HALL  
HAMILTON, NY 13346  
(315) 228-7994

Facility: COLGATE UNIVERSITY  
13 OAK DR  
HAMILTON, NY 13346

Description:  
This State Facility Permit is capping emissions below Title V thresholds.

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: JOANNE L MARCH  
DIVISION OF ENVIRONMENTAL PERMITS  
615 ERIE BLVD WEST  
SYRACUSE, NY 13204-2400

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



**Notification of Other State Permittee Obligations**

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

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

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

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

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

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal -REGION 7  
HEADQUARTERS



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

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

**Item 2.1:**

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

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

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

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



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 7253200002**

transfer of ownership.

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

**Item 4.1:**

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

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

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

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 7 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 5.1:**

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

NYSDEC Regional Permit Administrator  
Region 7 Headquarters  
Division of Environmental Permits  
615 Erie Blvd West  
Syracuse, NY 13204-2400  
(315) 426-7400



**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**

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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: COLGATE UNIVERSITY  
BROAD ST  
HAMILTON, NY 13346

Facility: COLGATE UNIVERSITY  
13 OAK DR  
HAMILTON, NY 13346

Authorized Activity By Standard Industrial Classification Code:  
8221 - COLLEGES AND UNIVERSITIES, NEC



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

1 6NYCRR 225-1.2(a)(2): Compliance Demonstration

**Emission Unit Level**

**EU=0-00001**

2 6NYCRR 227.2(b)(1): Compliance Demonstration

**EU=0-00001,EP=00001,Proc=100,ES=00001**

3 6NYCRR 227-1.3: Compliance Demonstration

**EU=U-00002**

4 6NYCRR 227-1.2(a)(4): Compliance Demonstration

5 6NYCRR 227-1.3(a): Compliance Demonstration

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

6 ECL 19-0301: Contaminant List

7 6NYCRR 201-1.4: Unavoidable noncompliance and violations

8 6NYCRR 201-5: Emission Unit Definition

\*9 6NYCRR 201-7: Capping Monitoring Condition

\*10 6NYCRR 201-7: Capping Monitoring Condition

\*11 6NYCRR 201-7: Capping Monitoring Condition

\*12 6NYCRR 201-7: Capping Monitoring Condition

13 6NYCRR 211.2: Air pollution prohibited

**Emission Unit Level**

14 6NYCRR 201-5: Emission Point Definition By Emission Unit

15 6NYCRR 201-5: Process Definition By Emission Unit

16 6NYCRR 201-7: Process Permissible Emissions

**EU=0-00001,EP=00001,Proc=100,ES=00001**

17 6NYCRR 227-1.2(a)(2): Compliance Demonstration

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

Permit Effective Date: 08/01/2005

Permit Expiration Date: No expiration date.



**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

**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**



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



**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**

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



**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**

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



**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**

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: Compliance Demonstration**  
**Effective between the dates of 08/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)**

**Item 1.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall sell, offer for sale, purchase or use any fuel oil which has a sulfur content greater than the limit stated below. A log of the sulfur content in oil per delivery must be reported in the annual compliance certification. The log must be maintained on site for a minimum of five years after the date of the last entry.

**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**



Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: FUEL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 1.5 percent by weight  
Monitoring Frequency: PER DELIVERY  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY  
TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: ANNUALLY (ANNIVERSARY)  
Initial Report Due: 08/30/2006 for the period 08/01/2005 through 07/31/2006

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

**Condition 2: Compliance Demonstration**  
**Effective between the dates of 08/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227.2(b)(1)**

**Item 2.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 2.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Federal SIP limit:

Pursuant to Section 110 of the Federal Clean Air Act, the EPA approved, as part of New York State's Implementation plan, a regulation for the control of particulate matter. This requirement was previously cited as 6 NYCRR Part 227.2(b)(1) and is listed in the table of EPA-approved New York State regulations cited under 40 CFR 52.1679 Subpart HH. The DEC has since revised this rule, changing the applicability criteria and the numerical limits.

This condition requires compliance with the rule as it is contained in the federal SIP.

No person shall cause, permit or allow a two hour average

**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**



emission into the outdoor atmosphere of particulates in excess of 0.10 pound per million BTU heat input from any oil fired stationary combustion installation. Upon written application, the commissioner may exempt a person from the provisions of this section, when in view of the properties of the emissions, isolated conditions, stack height and other factors, it is clearly demonstrated that the emissions thus permitted will not cause a contravention of established ambient air quality standards.

Compliance shall be demonstrated at least once per permit term using stack emission testing (RM 5). At the discretion of the DEC, such testing may be waived if the boilers fire fuel oil 168 hours or less (combined, through the stack) in each calendar year. The owner or operator shall follow the notification requirements of 6 NYCRR 202-1.2 and the time frames for submission of the results stated in 6 NYCRR 202-1.3

Upper Permit Limit: .1 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 3: Compliance Demonstration**  
**Effective between the dates of 08/01/2005 and Permit Expiration Date**

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

**Item 3.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00001      Emission Point: 00001

Process: 100                      Emission Source: 00001

**Item 3.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No person shall operate this emission unit in excess of 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent

**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**



opacity.

The owner or operator shall conduct opacity observations according to EPA Method 9 upon request from the DEC.

At least once per calendarquarter period (January 1 to June 30, July 1 to December 31), the owner or operator shall observe the emissions points while the devices are in operation. The owner or operator shall record the date, the time, the weather conditions (rain, snow, cloudy, clear), and whether there is any visible plume (excluding condensed water vapor). To the extent practicable, the observer shall position him or herself with the sun behind his or her back. Such testing is not required if fuel oil is combusted for less than 168 hours in the semi-annual period.

In the event that visible emissions are observed, the owner or operator shall contact the Department by phone as soon as practicable, but in no event later than two business days after conducting the observation. Within 30 days, when requested by the Department in writing, the owner or operator must submit to the Department a report describing the emissions.

All records of observations must be maintained at the facility for a period of five years.

A report must be submitted to the Department annually (calendar basis) stating whether the monitoring has been conducted. Reports must be submitted no later than 30 days after the end of each annual period.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 4: Compliance Demonstration**  
**Effective between the dates of 08/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(4)**

**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**



**Item 4.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 4.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions may not exceed 0.44 lb/mmBtu while firing wood. Compliance shall be determined through emissions testing conducted upon the request of the DEC in accordance with a protocol approved by the DEC and the timeframes specified in 6 NYCRR 202.

Upper Permit Limit: 0.44 pounds per million Btus

Reference Test Method: EPA 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 5: Compliance Demonstration**

**Effective between the dates of 08/01/2005 and Permit Expiration Date**

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

**Item 5.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No person shall operate a stationary combustion

**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**



installation which exhibits greater than 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity.

The owner or operator shall conduct opacity observations according to EPA Method 9 upon request from the DEC.

At least once per calendarquarter period (January 1 to June 30, July 1 to December 31), the owner or operator shall observe the emissions points while the devices are in operation. The owner or operator shall record the date, the time, the weather conditions (rain, snow, cloudy, clear), and whether there is any visible plume (excluding condensed water vapor). To the extent practicable, the observer shall position him or herself with the sun behind his or her back. Such testing is not required if fuel oil is combusted for less than 168 hours in the semi-annual period.

In the event that visible emissions are observed, the owner or operator shall contact the Department by phone as soon as practicable, but in no event later than two business days after conducting the observation. Within 30 days, when requested by the Department in writing, the owner or operator must submit to the Department a report describing the emissions.

All records of observations must be maintained at the facility for a period of five years.

A report must be submitted to the Department annually (calendar basis) stating whether the monitoring has been conducted. Reports must be submitted no later than 30 days after the end of each annual period.

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: AS REQUIRED - SEE MONITORING DESCRIPTION



**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

**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**



law.

**STATE ONLY APPLICABLE REQUIREMENTS**

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

**Condition 6: Contaminant List**

**Effective between the dates of 08/01/2005 and Permit Expiration Date**

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

**Item 6.1:**

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: 0NY075-00-5

Name: PM-10

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Condition 7: Unavoidable noncompliance and violations**

**Effective between the dates of 08/01/2005 and Permit Expiration Date**

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

**Item 7.1:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**

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 8: Emission Unit Definition**  
**Effective between the dates of 08/01/2005 and Permit Expiration Date**

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

**Item 8.1:**

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

Emission Unit: 0-00001

Emission Unit Description:

COLGATE UNIVERSITY HEATING PLANT OIL FIRED BOILERS. THERE ARE THREE No. 6 FUEL OIL BOILERS THAT DISCHARGE TO THE ATMOSPHERE THROUGH A COMMON STACK. THERE ARE NO EMISSION CONTROLS ON THESE BOILERS.

**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**



Building(s): 01

**Item 8.2:**

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

Emission Unit: U-00002

Emission Unit Description:

COLGATE UNIVERSITY WOOD FIRED BOILER THAT DISCHARGES TO THE ATMOSPHERE THROUGH A DEDICATED STACK. THE WOOD FIRED BOILER IS EQUIPPED WITH TWO MULTIPLE CYCLONE SEPARATORS FOR PARTICULATE EMISSION CONTROL.

Building(s): 01

**Condition 9: Capping Monitoring Condition**

**Effective between the dates of 08/01/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-7**

**Item 9.1:**

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

**Item 9.2:**

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

**Item 9.3:**

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 9.4:**

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 9.5:**



**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**

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 9.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 9.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide emissions of carbon monoxide (CO) emissions shall not exceed 95 tons/year, based on a 12 month rolling average. Emissions will be calculated utilizing the following emission factors:

Natural gas combustion = 84 pounds CO/million cu. ft. of Nat. gas;

Distillate and/or residual oil = 5 pounds CO/1000 gallons of oil;

Wood chips = 5.12 pounds CO/ton wood.

If the annual facility emissions from oil combustion exceed 50 tons, the facility owner/operator must conduct emissions testing on the oil-fired boilers to document facility specific emission factors for those fuel types.

Colgate University shall provide this emissions information in the annual compliance certification. If carbon monoxide emissions exceed the cap at any time, Colgate shall submit a notice (in writing) to the DEC within 30 days of such excess emissions. If emissions from oil combustion exceed 50 tons/year for any 12 month period, Colgate must submit to the DEC the following: (1) a written notice of such emissions and (2) a protocol for developing facility specific emission factors through testing.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**New York State Department of Environmental Conservation**

Permit ID: 7-2532-00002/00003

Facility DEC ID: 7253200002



**Condition 10: Capping Monitoring Condition**  
**Effective between the dates of 08/01/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-7**

**Item 10.1:**

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  
6NYCRR 227-2

**Item 10.2:**

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

**Item 10.3:**

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 10.4:**

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 10.5:**

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 10.6:**

The Compliance Demonstration activity will be performed for the Facility.

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

**Item 10.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes  
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**



**Monitoring Description:**

Facility-wide emissions of oxides of nitrogen shall not exceed 95 tons/year, based on a 12 month rolling average.

Emissions will be calculated utilizing the following equations and emission factors:

Distillate oil firing:  $\text{Tons NO}_x = (\text{gallons of distillate oil fired}) \times (20 \text{ pounds NO}_x / 1000 \text{ gallons of oil}) / 2000$ .

Residual oil firing:  $\text{Tons NO}_2 = (\text{gallons of residual oil fired}) \times (55 \text{ pounds NO}_x / 1000 \text{ gallons of fuel oil}) / 2000$ .

Wood firing:  $\text{Tons NO}_x = (\text{tons of wood fired}) \times (2 \text{ lb NO}_x / \text{ton wood}) / 2000$ .

Facility-wide emissions shall be computed as the sum of emissions from distillate oil, residual oil and wood combustion. If facility-wide NO<sub>x</sub> emissions exceed 50 tons/yr for any 12 month period, Colgate shall determine site-specific emissions factors as follows: (1) if emissions of NO<sub>x</sub> from the oil-fired boilers exceeds 25 tons per year, Colgate shall determine site-specific emissions factors for oil combustion, and (2) if emissions of NO<sub>x</sub> from the wood-fired boiler exceeds 25 tons per year, Colgate shall determine site-specific emissions factors for wood combustion.

Colgate University shall provide this emissions information in the annual compliance certification. If annual NO<sub>x</sub> emissions exceed the cap at any time, Colgate shall submit a notice (in writing) to the DEC within 30 days of such excess emissions. If facility-wide emissions exceed 50 tons for any 12 month period, Colgate shall submit to the DEC a notice of such emissions, and submit to the Department a test protocol for determining site-specific factors. Testing shall be done in accordance with the time frames and procedures of 6 NYCRR 202-1. Upon DEC approval of the emission test report, Colgate shall compute emissions using the revised factors.

**Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION**

**Reporting Requirements: ANNUALLY (CALENDAR)**

**Reports due 30 days after the reporting period.**



**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**

The initial report is due 1/30/2006.  
Subsequent reports are due every 12 calendar month(s).

**Condition 11: Capping Monitoring Condition**  
**Effective between the dates of 08/01/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-7**

**Item 11.1:**

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  
40CFR 52-A.21

**Item 11.2:**

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

**Item 11.3:**

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 11.4:**

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 11.5:**

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 11.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):  
CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 11.7:**

Compliance Demonstration shall include the following monitoring:



**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide emissions of sulfur dioxide shall not exceed 95 tons/year, based on a 12 month rolling average. Emissions will be calculated utilizing the following equations and emission factors:

Distillate oil firing:  $\text{Tons SO}_2 = (\text{gallons of distillate oil fired}) \times (142S \text{ pounds SO}_2 / 1000 \text{ gallons of oil}) / 2000$ , where "S" is the percent sulfur in the fuel.

Residual oil firing:  $\text{Tons SO}_2 = (\text{gallons of residual oil fired}) \times (157S \text{ pounds SO}_2 / 1000 \text{ gallons of fuel oil}) / 2000$ , where "S" equals 1.5.

Colgate University shall provide this emissions information in the annual compliance certification. If annual SO<sub>2</sub> emissions exceed the cap at any time, Colgate shall submit a notice (in writing) to the DEC within 30 days of such excess emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 12: Capping Monitoring Condition**

**Effective between the dates of 08/01/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-7**

**Item 12.1:**

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

**Item 12.2:**

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

**Item 12.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of



**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**

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 12.4:**

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 12.5:**

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 12.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 12.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide emissions of oxides of particulate matter - 10 microns (PM-10) shall not exceed 95 tons/year, based on a 12 month rolling average. Emissions will be calculated utilizing the following equations and emission factors:

Distillate oil firing:  $\text{Tons PM-10} = (\text{gallons of distillate oil fired}) \times (2.3 \text{ pounds PM-10}/1000 \text{ gallons of oil})/2000.$

Residual oil firing:  $\text{Tons PM-10} = (\text{gallons of residual oil fired}) \times (16.2 \text{ pounds PM-10}/1000 \text{ gallons of fuel oil})/2000.$

Wood firing:  $\text{Tons PM-10} = (\text{tons of wood fired}) \times (4.23 \text{ lb PM-10}/\text{ton wood})/2000.$

Facility-wide emissions shall be computed as the sum of emissions from distillate oil, residual oil and wood

**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**



combustion. If facility-wide PM-10 emissions exceed 50 tons/yr for any 12 month period, Colgate shall determine site-specific emissions factors as follows: (1) if emissions of PM-10 from the oil-fired boilers exceeds 25 tons per year, Colgate shall determine site-specific emissions factors for oil combustion, and (2) if emissions of PM-10 from the wood-fired boiler exceeds 25 tons per year, Colgate shall determine site-specific emissions factors for wood combustion.

Colgate University shall provide this emissions information in the annual compliance certification. If annual PM-10 emissions exceed the cap at any time, Colgate shall submit a notice (in writing) to the DEC within 30 days of such excess emissions. If facility-wide emissions exceed 50 tons for any 12 month period, Colgate shall submit to the DEC a notice of such emissions, and submit to the Department a test protocol for determining site-specific factors. Testing shall be done in accordance with the time frames and procedures of 6 NYCRR 202-1. Upon DEC approval of the emission test report, Colgate shall compute emissions using the revised factors.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 13: Air pollution prohibited**

**Effective between the dates of 08/01/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 13.1:**

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 \*\*\*\***

**New York State Department of Environmental Conservation**

Permit ID: 7-2532-00002/00003

Facility DEC ID: 7253200002



**Condition 14: Emission Point Definition By Emission Unit**  
**Effective between the dates of 08/01/2005 and Permit Expiration Date**

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

**Item 14.1:**

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

Emission Unit: 0-00001

Emission Point: 00001

Height (ft.): 185

Diameter (in.): 48

NYTMN (km.): 4740.7

NYTME (km.): 455.7

Emission Point: 00002

Height (ft.): 72

Diameter (in.): 26

NYTMN (km.): 4740.7

NYTME (km.): 455.7

**Condition 15: Process Definition By Emission Unit**  
**Effective between the dates of 08/01/2005 and Permit Expiration Date**

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

**Item 15.1:**

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

Emission Unit: 0-00001

Process: 100

Source Classification Code: 1-03-004-02

Process Description:

COMBUSTION OF NO. 6 OIL IN 3 STATIONARY  
BOILERS TO GENERATE STEAM.

Emission Source/Control: 00001 - Combustion

Design Capacity: 46,761,446 British thermal units per hour

Emission Source/Control: 00002 - Combustion

Design Capacity: 46,761,446 British thermal units per hour

Emission Source/Control: 00003 - Combustion

Design Capacity: 25,106,000 British thermal units per hour

**Item 15.2:**

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

Emission Unit: U-00002

Process: 200

Source Classification Code: 1-03-009-03

**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**



Process Description:

COMBUSTION OF WOOD CHIPS IN 1 STATIONARY  
BOILER TO GENERATE STEAM.

Emission Source/Control: 0000A - Combustion  
Design Capacity: 40.2 million Btu per hour

Emission Source/Control: 0000D - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Emission Source/Control: 0000E - Control  
Control Type: MULTIPLE CYCLONE W/ FLY ASH INJECTION

**Condition 16: Process Permissible Emissions**  
**Effective between the dates of 08/01/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-7**

**Item 16.1:**

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

Emission Unit: 0-00001 Process: 100

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 0.75 pounds per hour  
6,600 pounds per year

CAS No: 007446-09-5  
Name: SULFUR DIOXIDE  
PTE(s): 17.7 pounds per hour  
155,430 pounds per year

CAS No: 0NY075-00-5  
Name: PM-10  
PTE(s): 0.23 pounds per hour  
1,980 pounds per year

CAS No: 0NY210-00-0  
Name: OXIDES OF NITROGEN  
PTE(s): 4.14 pounds per hour  
36,300 pounds per year

**Condition 17: Compliance Demonstration**  
**Effective between the dates of 08/01/2005 and Permit Expiration Date**

**New York State Department of Environmental Conservation**

**Permit ID: 7-2532-00002/00003**

**Facility DEC ID: 7253200002**



**Applicable State Requirement: 6NYCRR 227-1.2(a)(2)**

**Item 17.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00001    Emission Point: 00001  
Process: 100                Emission Source: 00001

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

**Item 17.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PARTICULATE EMISSIONS SHALL NOT EXCEED  
0.20 LB/MMBTU. COMPLIANCE WILL BE  
DETERMINED BY EMISSIONS TESTING UPON  
WRITTEN REQUEST.

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION