

New York State Department of Environmental Conservation
Facility DEC ID: 3134600067



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 3-1346-00067/00009
Mod 0 Effective Date: 05/31/2001 Expiration Date: No expiration date.
Mod 1 Effective Date: 10/18/2006 Expiration Date: No expiration date.

Permit Issued To: VASSAR COLLEGE
124 RAYMOND AVE BOX 704
POUGHKEEPSIE, NY 12601

Facility: VASSAR COLLEGE
124 RAYMOND AVE
POUGHKEEPSIE, NY 12604

Contact: THOMAS ALLEN
VASSAR COLLEGE
124 RAYMOND AVE
POUGHKEEPSIE, NY 12601
(845) 437-5996

Description:

Vassar College is located in the city of Poughkeepsie, Dutchess County. The facility consists of three boilers and a natural gas fired chiller. The facility has capped emissions of Oxides of Nitrogen to 84.1 tons per rolling twelve month period. Emissions of Sulfur Dioxide are capped at 94.1 tons per rolling twelve month period. Applicable regulations include 6NYCRR Parts 225, 226, 227 and 40 CFR 60, Subpart Dc.

Modification 1

This modification is for the addition of two 30.6 MMBtu/hr dual fuel-fired boilers in the Power Plant. The new boilers will operate within the existing caps for NOx and SO2. The new boilers are subject to 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.

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By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: KENNETH R GRZYB
 NYSDEC REGION 3
 21 SOUTH PUTT CORNERS RD
 NEW PALTZ, NY 12561

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, modifications and transfers
Applications for Permit Renewals and Modifications
Permit modifications, suspensions or revocations by the Department
Applications for Permit Renewals and Modifications
Permit Modifications, Suspensions and Revocations by the Department
Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal-REGION 3
HEADQUARTERS
Submission of application for permit modification or renewal-REGION 3
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 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



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actual transfer of ownership.

Condition 1-2: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 1-2.1:

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 1-2.2:

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 1-2.3:

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 1-3: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6NYCRR 621.13

Item 1-3.1:

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

Item 3.1:

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

Item 3.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title



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V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Condition 1-4: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 1-4.1:

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.

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

Item 4.1:

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

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

****** Facility Level ******

Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 3 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 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696

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(845) 256-3054

**Condition 1-5: Submission of application for permit modification or renewal-REGION 3
HEADQUARTERS**
Applicable State Requirement: 6NYCRR 621.6(a)

Item 1-5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054



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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: VASSAR COLLEGE
124 RAYMOND AVE BOX 704
POUGHKEEPSIE, NY 12601

Facility: VASSAR COLLEGE
124 RAYMOND AVE
POUGHKEEPSIE, NY 12604

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

Mod 0 Permit Effective Date: 05/31/2001

Permit Expiration Date: No expiration date.

Mod 1 Permit Effective Date: 10/18/2006

Permit Expiration Date: No expiration date.



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1-1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 1-2 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 1-3 6NYCRR 200.7: Maintenance of Equipment
- 1-4 6NYCRR 201-1.7: Recycling and Salvage
- 1-5 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 1-6 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 1-7 6NYCRR 202-1.1: Required Emissions Tests
- 1-8 6NYCRR 211.3: Visible Emissions Limited
- 1 6NYCRR 200.5: Sealing
- 4 6NYCRR 201-1.2: Unpermitted Emission Sources
- 1-9 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 9 6NYCRR 201-1.10(a): Public Access to Recordkeeping
- 1-10 6NYCRR 201-7: Facility Permissible Emissions
- *1-11 6NYCRR 201-7: Capping Monitoring Condition
- *1-12 6NYCRR 201-7: Capping Monitoring Condition
- 1-13 6NYCRR 225-1.2(a)(2): Compliance Demonstration
- 1-14 6NYCRR 225-1.2(a)(2): Compliance Demonstration
- 1-15 6NYCRR 227-1.3(a): Compliance Demonstration
- 1-16 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Demonstration
- 1-17 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Demonstration
- 1-18 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Demonstration
- 1-19 40CFR 60.48c(f)(2), NSPS Subpart Dc: Compliance Demonstration
- 1-20 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Demonstration

Emission Unit Level

EU=U-00001,EP=CHP01

- 23 6NYCRR 227.2(b)(1): Compliance Demonstration

EU=U-00002

- 1-21 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.

EU=U-00005

- 1-22 40CFR 60.7(a), NSPS Subpart A: Date of construction notification - If a COM is not used.
- 1-23 40CFR 60.48c(c), NSPS Subpart Dc: Compliance Demonstration

EU=U-00005,Proc=P05

- 1-24 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Demonstration
- 1-25 40CFR 60.42c(g), NSPS Subpart Dc: Averaging period.



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- 1-26 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability.
- 1-27 40CFR 60.43c(d), NSPS Subpart Dc: Enforceability of particulate matter and opacity standards.
- 1-28 40CFR 60.43c(e)(1), NSPS Subpart Dc: Compliance Demonstration
- 1-29 40CFR 60.44c(g), NSPS Subpart Dc: Alternative compliance method for sulfur dioxide.
- 1-30 40CFR 60.44c(g), NSPS Subpart Dc: Alternative compliance methods for sulfur dioxide.
- 1-31 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Demonstration
- 1-32 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 1-33 ECL 19-0301: Contaminant List
- 1-34 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 29 6NYCRR 201-5: General Provisions
- 30 6NYCRR 201-5: Permit Exclusion Provisions
- 31 6NYCRR 201-5: Emission Unit Definition
- 33 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

- 34 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 35 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: Acceptable Ambient Air Quality
Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.6

Replaces Condition(s) 2

Item 1-1.1:

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

Condition 1-2: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 215

Replaces Condition(s) 18

Item 1-2.1:

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse,



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rubbish for salvage, or rubbish generated by industrial or commercial activities.

Condition 1-3: Maintenance of Equipment
Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.7

Replaces Condition(s) 3

Item 1-3.1:

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

Condition 1-4: Recycling and Salvage
Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.7

Replaces Condition(s) 7

Item 1-4.1:

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

Condition 1-5: Exempt Sources - Proof of Eligibility
Effective between the dates of 10/18/2006 and Permit Expiration Date

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

Replaces Condition(s) 10

Item 1-5.1:

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 1-6: Trivial Sources - Proof of Eligibility
Effective between the dates of 10/18/2006 and Permit Expiration Date

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

Replaces Condition(s) 11

Item 1-6.1:

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be



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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 1-7: Required Emissions Tests

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-1.1

Replaces Condition(s) 16

Item 1-7.1:

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 1-8: Visible Emissions Limited

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 211.3

Replaces Condition(s) 17

Item 1-8.1:

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

Condition 1: Sealing

Effective between the dates of 05/31/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.5

Item 1.1:

(a) The commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the commissioner issued in the case of the violation. Sealing means labelling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.



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

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

Condition 4: Unpermitted Emission Sources
Effective between the dates of 05/31/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.2

Item 4.1:

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

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

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

Condition 1-9: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.8

Replaces Condition(s) 8

Item 1-9.1:

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

Condition 9: Public Access to Recordkeeping
Effective between the dates of 05/31/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.10(a)

Item 9.1:

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



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submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

Condition 1-10: Facility Permissible Emissions

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7

Item 1-10.1:

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

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

CAS No: 007446-09-5 (From Mod 1) PTE: 199,000 pounds per year
Name: SULFUR DIOXIDE

CAS No: 0NY210-00-0 (From Mod 1) PTE: 199,000 pounds per year
Name: OXIDES OF NITROGEN

Condition 1-11: Capping Monitoring Condition

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7

Item 1-11.1:

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

Item 1-11.2:

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

Item 1-11.3:

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 1-11.4:

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



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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 1-11.5:

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 1-11.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-11.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility is capping annual SO₂ emissions below major threshold of 100 tons. To ensure compliance with this limit, emissions from fuel consuming activities (excluding emissions from emergency generators) will be limited to 94 tons per rolling twelve month period. SO₂ emissions will be calculated by the following formula.

$$[(0.6 \text{ lb SO}_2 \text{ (A+ B)}) + (71 \text{ lb SO}_2 \text{ (C)}) + (78.5 \text{ lb SO}_2 \text{ (D)})] / 2000 \text{ lb/ton} < 94 \text{ tons of SO}_2 \text{ per year}$$

Where:

A - Amount of natural gas burned in Boilers 1 and 2 (MMscf)

B - Amount of natural gas burned in all remaining campus sources (MMscf)

C - Amount of #2 fuel oil burned (Mgals @ 0.5 % S)

D - Amount of #6 fuel oil burned (Mgals @ 0.5 % S)

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.
The initial report is due 4/30/2007.
Subsequent reports are due every 12 calendar month(s).

Condition 1-12: Capping Monitoring Condition

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7

Item 1-12.1:

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 1-12.2:

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

Item 1-12.3:

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 1-12.4:

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 1-12.5:

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 1-12.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 1-12.7:

Compliance Demonstration shall include the following monitoring:

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Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility is capping annual NOx emissions below major threshold of 100 tons. To ensure compliance with this limit, emissions from fuel consuming activities (excluding emissions from emergency generators) will be limited to 84 tons per rolling twelve month period. NOx emissions will be calculated by the following formula.

$$[(65 \text{ lb NOx (A)} + (100 \text{ lb NOx (B)} + (20 \text{ lb NOx (C)} + (75 \text{ lb NOx (D)}))] / 2000 \text{ lb/ton} < 84 \text{ tons of NOx per year}$$

Where:

A - Amount of natural gas burned in Boilers 1 and 2 (MMscf)

B - Amount of natural gas burned in all remaining campus sources (MMscf)

C - Amount of #2 fuel oil burned (Mgals @ 0.5 % S)

D - Amount of #6 fuel oil burned (Mgals @ 0.5 % S)

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2007.

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

Condition 1-13: Compliance Demonstration

Effective between the dates of 10/18/2006 and Permit Expiration Date

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

Replaces Condition(s) 20

Item 1-13.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-13.2:

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any residual oil fuel which contains sulfur in a quantity exceeding the following limitation. Vassar has a contract with fuel supplier with sulfur content limited to below 1.5% by weight. Vassar will supply a copy of the contract, along with Vendor certification, annually with the emission cap certification.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

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 (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2007.

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

Condition 1-14: Compliance Demonstration

Effective between the dates of 10/18/2006 and Permit Expiration Date

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

Replaces Condition(s) 20

Item 1-14.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-14.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any distillate oil fuel which contains sulfur in a quantity exceeding the following limitation. Vassar has a contract with fuel supplier with sulfur content limited to below 1.5% by weight. Vassar will supply a copy of the contract, along with Vendor certification, annually with the emission cap certification.



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Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
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 (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2007.
Subsequent reports are due every 12 calendar month(s).

Condition 1-15: Compliance Demonstration

Effective between the dates of 10/18/2006 and Permit Expiration Date

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

Item 1-15.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00005

Item 1-15.2:

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 except for one six
minute period per hour, not to exceed 27 percent, based
upon the six minute average in reference test method 9 in
Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-16: Compliance Demonstration

Effective between the dates of 10/18/2006 and Permit Expiration Date



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Applicable Federal Requirement: 40CFR 60.42c(d), NSPS Subpart Dc

Replaces Condition(s) 24

Item 1-16.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00002

Emission Unit: U-00005

Item 1-16.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

On or after the date on which the initial performance test is completed or required to be completed under section 60.8 of this part, no owner or operator of an affected facility that combusts oil shall combust oil with a sulfur content in excess of 0.5 percent by weight.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2007.

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

Condition 1-17: Compliance Demonstration

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.43c(c), NSPS Subpart Dc

Replaces Condition(s) 26, 27

Item 1-17.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00002



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Emission Unit: U-00005

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-17.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood or oil and has a heat input capacity of 30 million BTU per hour or greater shall cause to be discharged into the atmosphere from an affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2007.

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

Condition 1-18: Compliance Demonstration

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.48c(d), NSPS Subpart Dc

Item 1-18.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit

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semi-annual reports to the Administrator.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2007.

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

Condition 1-19: Compliance Demonstration

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.48c(f)(2), NSPS Subpart Dc

Replaces Condition(s) 25

Item 1-19.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-19.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The compliance certification shall include the following:

The owner and/or operator of the affected facility shall maintain records containing the following data:

- i) The name of the residual oil supplier;
- ii) the location from which the oil sample was drawn for analysis of the sulfur content. It shall be specifically stated whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil storage at the oil supplier's oil refiner's facility, or other location;
- iii) the sulfur content of the oil from which the shipment came (or of the shipment itself); and,
- iv) the method used to determine the sulfur content of the oil.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2007.

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



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Condition 1-20: Compliance Demonstration

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.48c(g), NSPS Subpart Dc

Item 1-20.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2007.

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

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

Condition 23: Compliance Demonstration

Effective between the dates of 05/31/2001 and Permit Expiration Date

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

Item 23.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: CHP01

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for midsize and large boilers firing liquid fuels (other than distillate oil). The owner or operator shall complete the following once per

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term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission limit cited in this condition, and
- 2) perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-21: EPA Region 2 address.

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Replaces Condition(s) 21

Item 1-21.1:

This Condition applies to:

Emission Unit: U00005

Item 1-21.1:

This Condition applies to Emission Unit: U-00002

Item 1-21.2.3:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

NYSDEC



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Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Condition 1-22: Date of construction notification - If a COM is not used.
Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.7(a), NSPS Subpart A

Item 1-22.1:

This Condition applies to Emission Unit: U-00005

Item 1-22.2:

Any owner or operator subject to this part shall furnish the Administrator with the following information:

- 1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, post marked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date.

Condition 1-23: Compliance Demonstration
Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.48c(c), NSPS Subpart Dc

Item 1-23.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005

Regulated Contaminant(s):

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CAS No: 0NY075-00-0 PARTICULATES

Item 1-23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each coal-fired, residual oil-fired, or wood-fired affected facility subject to the opacity limits under §60.43c(c) shall submit excess emission reports, to the Administrator, semiannually. All reports shall be postmarked by the 30th day following the end of each semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2007.

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

Condition 1-24: Compliance Demonstration

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.42c(d), NSPS Subpart Dc

Item 1-24.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005

Process: P05

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-24.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Boilers 1 and 2 are restricted to burning natural gas and #6 fuel oil with a sulfur content of up to 0.5% or less by weight.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 percent by weight



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Reference Test Method: ASTM D4294

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)

Initial Report Due: 12/29/2006 for the period 10/18/2006 through 11/29/2006

Condition 1-25: Averaging period.

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.42c(g), NSPS Subpart Dc

Item 1-25.1:

This Condition applies to Emission Unit: U-00005

Process: P05

Item 1-25.2:

Compliance with emission limits, percent reduction, and fuel oil sulfur limitations shall be based on a 30 day rolling average.

Condition 1-26: Enforceability.

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.42c(i), NSPS Subpart Dc

Item 1-26.1:

This Condition applies to Emission Unit: U-00005

Process: P05

Item 1-26.2:

The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.

Condition 1-27: Enforceability of particulate matter and opacity standards.

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.43c(d), NSPS Subpart Dc

Item 1-27.1:

This Condition applies to Emission Unit: U-00005

Process: P05

Item 1-27.2:

The particulate matter and opacity standards of section 40 CFR 60-Dc.43c apply at all times, except during periods of startup, shutdown, and malfunction.

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Condition 1-28: Compliance Demonstration

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.43c(e)(1), NSPS Subpart Dc

Item 1-28.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005

Process: P05

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-28.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of a boiler 30 mmBtu/hr heat input or greater which was constructed, reconstructed, or modified after February 28, 2005 must conduct performance testing in accordance with the provisions of 40 CFR 60.8 to verify compliance with the specified particulate matter limit. Records of the required compliance testing must be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.030 pounds per million Btus

Reference Test Method: Method 5

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2007.

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

Condition 1-29: Alternative compliance method for sulfur dioxide.

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.44c(g), NSPS Subpart Dc

Item 1-29.1:

This Condition applies to Emission Unit: U-00005

Process: P05

Item 1-29.2:

Oil fired facilities demonstrating compliance with the sulfur dioxide standard through sampling and



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analysis must test every shipment of oil after the initial approval.

Condition 1-30: Alternative compliance methods for sulfur dioxide.

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.44c(g), NSPS Subpart Dc

Item 1-30.1:

This Condition applies to Emission Unit: U-00005
Process: P05

Item 1-30.2:

Oil fired facilities demonstrating compliance through sampling and analysis shall initially prove the oil sulfur content to be 0.50% by weight or less.

Condition 1-31: Compliance Demonstration

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.46c(d)(2), NSPS Subpart Dc

Item 1-31.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005
Process: P05

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

Item 1-31.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

As an alternative to operating a CEMs at the inlet to the SO₂ control device (or outlet of the steam generating unit if no SO₂ control device is used) as required under paragraph §60.46c (a), an owner or operator may elect to determine the average SO₂ emission rate by sampling fuel prior to combustion.

As an alternative fuel sampling procedure for affected facilities combusting oil, oil samples may be collected from the fuel tank for each steam generating unit immediately after the fuel tank is filled and before any oil is combusted.

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Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.5 percent by weight
Reference Test Method: Method 19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 1-32: Compliance Demonstration

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.48c(a), NSPS Subpart Dc

Item 1-32.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005
Process: P05

Item 1-32.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

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Monitoring Frequency: SINGLE OCCURRENCE
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

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law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 1-33: Contaminant List

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable State Requirement: ECL 19-0301

Item 1-33.1:

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

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Condition 1-34: Unavoidable noncompliance and violations

Effective between the dates of 10/18/2006 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 1-34.1:

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

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



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

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

(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 29: General Provisions

Effective between the dates of 05/31/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 29.1:

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

Item 29.2:

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

Item 29.3:

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



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five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Condition 30: Permit Exclusion Provisions
Effective between the dates of 05/31/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 30.1:

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 currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR).

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

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting the right of the Department to pursue any claims for natural resource damages against the Applicant.

Condition 31: Emission Unit Definition
Effective between the dates of 05/31/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 31.1(From Mod 1):

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

Emission Unit: U-00001

Emission Unit Description:

Emission Unit U00001 is the 50.5 MMBtu/hr boiler located in the Central Heating Plant.



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Building(s): CHP

Item 31.2(From Mod 1):

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

Emission Unit: U-00002

Emission Unit Description:

Emission Unit U00002 includes the two 32.0 MMBtu/hr Johnston boilers located in the Central Heating Plant.

Building(s): CHP

Item 31.3(From Mod 1):

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

Emission Unit: U-00004

Emission Unit Description:

Emission Unit U00004 is a 1000 ton natural gas fired absorption chiller.

Building(s): CCP

Item 31.4(From Mod 1):

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

Emission Unit: U-00005

Emission Unit Description:

Emission Unit U-00005 includes the two new 30.6 MMBtu/hr dual fuel (#6 oil and natural gas) fired boilers that will be located in the Central Heating Plant.

Building(s): CHP

Condition 33: Air pollution prohibited

Effective between the dates of 05/31/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 33.1:

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 ******



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**Condition 34: Emission Point Definition By Emission Unit
Effective between the dates of 05/31/2001 and Permit Expiration Date**

Applicable State Requirement: 6NYCRR 201-5

Item 34.1(From Mod 1):

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

Emission Unit: U-00001

Emission Point: BLR05

Height (ft.): 60

Diameter (in.): 48

NYTMN (km.): 4615.6

NYTME (km.): 592.

Building: CHP

Item 34.2(From Mod 1):

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

Emission Unit: U-00002

Emission Point: BLR03

Height (ft.): 50

Diameter (in.): 36

NYTMN (km.): 4615.6

NYTME (km.): 592.

Building: CHP

Emission Point: BLR04

Height (ft.): 50

Diameter (in.): 36

NYTMN (km.): 4615.6

NYTME (km.): 592.

Building: CHP

Item 34.3(From Mod 1):

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

Emission Unit: U-00004

Emission Point: CHL01

Height (ft.): 20

Diameter (in.): 20

NYTMN (km.): 4615.6

NYTME (km.): 592.

Building: CCP

Item 34.4(From Mod 1):

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

Emission Unit: U-00005

Emission Point: BLR01

Height (ft.): 50

Diameter (in.): 24

NYTMN (km.): 4615.4

NYTME (km.): 592.

Building: CHP

Emission Point: BLR02



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Height (ft.): 50 Diameter (in.): 24
NYTMN (km.): 4615.4 NYTME (km.): 592. Building: CHP

Condition 35: Process Definition By Emission Unit
Effective between the dates of 05/31/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 35.1(From Mod 1):

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

Emission Unit: U-00001

Process: P01

Process Description:

This process represents Boiler #5 which is capable of burning #6 fuel oil or natural gas. Vassar has voluntarily decided to limit the sulfur content of the #6 fuel oil to 0.5% for this unit to ensure lower emissions than what is required for a unit of this size and age.

Emission Source/Control: BLR05 - Combustion

Design Capacity: 50.5 million Btu per hour

Item 35.2(From Mod 1):

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

Emission Unit: U-00002

Process: P02

Process Description:

The only process within this emission unit are the boilers which burn both #6 fuel oil (0.5% Sulfur) and natural gas.

Emission Source/Control: BLR03 - Combustion

Design Capacity: 32 million Btu per hour

Emission Source/Control: BLR04 - Combustion

Design Capacity: 32 million Btu per hour

Item 35.3(From Mod 1):

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

Emission Unit: U-00004

Process: P04

Process Description:

The natural gas fired absorption chiller is the only process within this emission unit.

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Emission Source/Control: CHL01 - Combustion
Design Capacity: 14 million Btu per hour

Item 35.4(From Mod 1):

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

Emission Unit: U-00005

Process: P05

Process Description:

This process represents the burning of #6 fuel oil (0.5% sulfur) in Boilers 1 and 2.

Emission Source/Control: BLR01 - Combustion

Design Capacity: 30.6 million Btu per hour

Emission Source/Control: BLR02 - Combustion

Design Capacity: 30.6 million Btu per hour

Item 35.5(From Mod 1):

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

Emission Unit: U-00005

Process: P06

Process Description:

This process represents the burning of natural gas in Boilers 1 and 2 which will be fitted with low-NOx burners to achieve 30 ppm (corrected to 3% oxygen).

Emission Source/Control: BLR01 - Combustion

Design Capacity: 30.6 million Btu per hour

Emission Source/Control: BLR02 - Combustion

Design Capacity: 30.6 million Btu per hour