



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6205-00246/00005
Effective Date: 01/22/2001 Expiration Date: 01/21/2006

Permit Issued To: NEW YORK UNIVERSITY
70 WASHINGTON SQUARE SOUTH
NEW YORK, NY 10012-1019

Contact: JOSEPH L. STERN
NEW YORK UNIVERSITY
64 WEST 3 RD STREET - SUITE 210
NEW YORK, NY 10012-1092
(212) 998-1423

Facility: CENTRAL PLANT - 251 MERCER ST
251 MERCER STREET
NEW YORK, NY 10003

Description:

PERMIT DESCRIPTION
NEW YORK UNIVERSITY CENTRAL HEATING PLANT
DEC ID # 2-6205-00246/00005

NATURE OF BUSINESS OF THE FACILITY:

The New York University (NYU) Central Plant contains four boilers used to heat the campus, and also operates a steam turbine generator and seven diesel engine generators to produce electricity for the campus. The facility operates year round, and it's primary purpose is education.

8221 (SIC) - college and universities

TYPE OF EQUIPMENT AND OPERATION AT THE FACILITY:

The Central Heating plant, located in the basement of 251 Mercer Street, provides high temperature hot water for heating and cooling of university buildings year round. The plant has three high temperature hot water boilers and one high pressure steam boiler. A licensed operating engineer is on duty at all times. The plant has three mid size boilers (65 mmBtu/hr) and one large size boiler (114 mmBtu/hr). Each boiler is capable of burning natural gas (Process 001) and residual (# 6) oil (Process 002). The exhaust



from the four boilers is exhausted through a common emission point, a nine foot diameter stack (EP 00001) on the roof of 251 Mercer Street. The stack has a continuous opacity monitor, and excess opacity reports shall be submitted quarterly. The residual oils sulfur content must not exceed 0.30 percent by weight.

Conditions from the June 4, 1996 Special Permit Conditions, limiting oil consumption at the large boiler, emission source 0BLRD, have been incorporated in this permit to comply with the NOx RACT emission limit. The boiler shall not have more than 45% of a 12 month heat input from oil. This heat input ratio is calculated monthly for the previous 12 month period, and reported semi-annually.

The facility has seven Caterpillar D399 diesel (1000 hp) generators (850 kW) engines with waste heat recovery boilers, which were installed in 1982. The diesel engines operate on Process 003. The exhaust from the seven diesel engines is exhausted through a common emission point (EP 00002). The distillate oil sulfur content must not exceed 0.20 percent by weight.

There are five oil storage tanks constructed in 1963 are associated with the boilers and diesel engines: tank 1 and 2 - each 30,000 gallons residual (# 6) oil, tanks 3 and 4 - each 30,000 gallons of diesel (# 2) oil, and tank 5 - 5000 gallons of lube oil. These tanks are exempt from permitting and have no applicable requirements.

AIR PERMIT APPLICABILITY:

This is a major stationary source because the PTE for oxides of nitrogen, which is 455 tpy, is greater than the threshold limit of 25 tpy, and the PTE for sulfur dioxide, which is 397 tpy, is greater than the threshold limit of 100 tpy. The PTEs make the facility applicable to Title V permitting, and NOx RACT. Since residual oil is combusted there is a limit on the sulfur content of the oil, and a particulate limit on the stacks emissions.

CAPPING:

Yes, the heat input from oil on the large boiler, 0BLRD, must be less than 45% of the total heat input for the previous twelve month period to meet the NOx RACT limits, per a special permit dated June 4, 1996.

CONSENT ORDERS OR COMPLIANCE PLANS:

An enforcement action was taking place for violations of Part 201 and Part 227-2. Part 201 violation is for violating existing permit special conditions, which restricts the use of #6 oil during ozone season (April 1 to October 31) in order for one of the boilers to meet Part 227-2 NOx RACT requirements. Part 227-2 violation is for using restricted fuel, #6 oil, during the ozone season which violates the NOx RACT limit. As of 09/28/2000, the enforcement case for the above two (2) violations has been resolved.

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

Permit Administrator: JOHN F. CRYAN

New York State Department of Environmental Conservation
Facility DEC ID: 2620500246



ONE HUNTERS POINT PLAZA
47-40 21ST ST
LONG ISLAND CITY, NY 11101-5407

Authorized Signature: _____ Date: ___ / ___ / ____



Notification of Other Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, agents, and assigns for all claims, suits, actions, damages, and costs of every name and description, arising out of or resulting from the permittee's undertaking of activities or operation and maintenance of the facility or facilities authorized by the permit in compliance or non-compliance with the terms and conditions of the permit.

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

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 2

HEADQUARTERS



DEC GENERAL CONDITIONS
****** General Provisions ******

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Item 2.1:

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

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

Item 3.1:

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

Item 3.2:

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

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

Item 4.1:

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



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 2 HEADQUARTERS

Applicable State Requirement: 6NYCRR 621.5(a)

Item 5.1:

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

NYSDEC Regional Permit Administrator
Region 2 Headquarters
Division of Environmental Permits
1 Hunters Point Plaza, 4740 21st Street
Long Island City, NY 11101-5407
(718) 482-4997

New York State Department of Environmental Conservation

Permit ID: 2-6205-00246/00005

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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



LIST OF CONDITIONS

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- 56 Compliance Certification (EU=1-00000,EP=00001,Proc=002,ES=0BLRB)
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- 58 Compliance Certification (EU=1-00000,EP=00001,Proc=002,ES=0BLRD)
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New York State Department of Environmental Conservation

Permit ID: 2-6205-00246/00005

Facility DEC ID: 2620500246



NEC

Permit Effective Date: 01/22/2001

Permit Expiration Date: 01/21/2006



FEDERALLY ENFORCEABLE CONDITIONS

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

Condition 1: Definitions Applicable To This Permit
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 200.1

Item 1.1:

The definitions found in Parts 200 and 201 apply throughout this permit. Specific definitions used in this permit and their meanings include:

1. "Act" refers to the Federal Clean Air Act, 42 U.S.C. Section 7401, et seq., as amended by Public Law 101-549, November 15, 1990.
2. "Administrator" refers to the Administrator of the United States Environmental Protection Agency or designee.
3. "Department" refers to the New York State Department of Environmental Conservation.

Condition 2: Sealing
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 200.5

Item 2.1:

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

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

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

Condition 3: Acceptable ambient air quality
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 200.6

Item 3.1:



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 4: Maintenance of equipment
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 200.7

Item 4.1:

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 5: Unpermitted Emission Sources
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-1.2

Item 5.1:

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 6: Unavoidable Noncompliance and Violations
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-1.4

Item 6.1:

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

- (a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's



representative when requested to do so in writing or when so required by a condition of a permit or certificate issued for the corresponding air contamination source. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

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

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

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

Condition 7: Emergency Defense
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-1.5

Item 7.1:

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

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

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

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

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



requirements in the permit; and

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

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

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

Condition 8: Recycling and Salvage
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 8.1:

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

Condition 9: Prohibition of Reintroduction of Collected Contaminants to the Air
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 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 10: Public Access to Recordkeeping for Title V facilities
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 10.1:

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

Condition 11: Proof of Eligibility
Effective between the dates of 01/22/2001 and 01/21/2006

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



Item 11.1:

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

Condition 12: Proof of Eligibility

Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 12.1:

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

Condition 13: Applicable Criteria, Limits, Terms, Conditions and Standards

Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 13.1:

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

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

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

Item 13.2:

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



document are true, accurate and complete.

**Condition 14: Cessation or Reduction of Permitted Activity Not a Defense
Effective between the dates of 01/22/2001 and 01/21/2006**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 14.1:

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

**Condition 15: Compliance Requirements
Effective between the dates of 01/22/2001 and 01/21/2006**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 15.1:

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

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

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

Item 15.2:

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

Item 15.3:

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



i. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

ii. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 16: Federally-Enforceable Requirements
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 16.1:

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

Condition 17: Fees
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 17.1:

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

Condition 18: Monitoring, Related Recordkeeping and Reporting Requirements
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 18.1:

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

Condition 19: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 19.1:



This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not relieve the permittee from the requirement to comply with any condition contained in this permit.

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

Condition 20: Permit Shield
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 20.1:

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

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

Condition 21: Property Rights
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 21.1:



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

Condition 22: Reopening for Cause
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 22.1:

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.
- iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Item 22.2:

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

Item 22.3:

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

Condition 23: Right to Inspect
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 23.1:

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

- i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;



- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- iii. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 24: Severability
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 24.1:

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

Condition 25: Emission Unit Definition
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 25.1:

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

Emission Unit: 1-00000

Emission Unit Description:

The Central Heating plant, located in the basement of 251 Mercer Street, provides high temperature hot water for heating and cooling of university buildings year round. The plant has three high temperature hot water boilers and one high pressure steam boiler. A licensed operating engineer is on duty at all times. The plant has three mid size boilers (65 mmBtu/hr) and one large size boiler (114 mmBtu/hr). Each boiler is capable of burning natural gas and residual (# 6) oil. The exhaust from the four boilers is exhausted through a single emission point, a nine foot diameter stack on the roof of 251 Mercer Street. There are seven diesel generators with waste heat boilers at the plant.

Building(s): 251

Item 25.2:

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

Emission Unit: 2-00000

Emission Unit Description:

seven diesel generators with waste heat boilers



Building(s): 40

Condition 26: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement:0 6NYCRR 201-6.5(c)(3)

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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



and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 27: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

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

Compliance certifications shall be submitted annually. Certification reports are due 30 days after the end of the calendar year.

All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office



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

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

The address for the RAPCE is as follows:

Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101-5407

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
50 Wolf Road
Albany, NY 12233-3258

Reporting Requirements: ANNUALLY (CALENDAR YEAR)
Reports due by January 30th for previous calendar year

Condition 28: Permit Exclusion Provisions
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 28.1:

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), and particularly any such enforcement action as may be authorized pursuant to 6 NYCRR 201-1.2 and 6 NYCRR 201-6.5(g).

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



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

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

Condition 29: Non Applicable requirements
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 29.1:

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

Condition 30: Required emissions tests
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 30.1:

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.

Condition 31: Notification
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 202-1.2

Item 31.1:

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



Condition 32: Acceptable procedures
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 202-1.3

Item 32.1:

Emission testing, sampling, and analytical determinations to ascertain compliance with this Subpart shall be conducted in accordance with test methods acceptable to the commissioner.

Condition 33: Acceptable procedures - Stack test report submittal
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 202-1.3

Item 33.1:

Emission test reports must be submitted in triplicate to the commissioner within 60 days after the completion of the tests, unless additional time is requested in writing.

Condition 34: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR YEAR)

Reports due by April 15th for previous calendar year

Condition 35: Recordkeeping requirements
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 35.1:

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and



(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

Condition 36: Visible emissions limited.
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 211.3

Item 36.1:

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 37: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 215.

Item 37.1:

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

Condition 38: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 38.1:

The Compliance Certification activity will be performed for the Facility.

Item 38.2:

Compliance Certification 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 distillate oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL



Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Limit of Monitoring: 0.20 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 YEAR)
Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 39: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: 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.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)
Parameter Monitored: SULFUR CONTENT
Upper Limit of Monitoring: 0.30 percent
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)
Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 40: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 225-1.8

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Item 40.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 41: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 41.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

Item 41.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted



during daylight hours except during adverse weather conditions (fog, rain, or snow).

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

- weather condition
- was a plume observed?

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

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

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

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 27 percent

Reference Test Method: METHOD 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 42: Corrective action.



Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 42.1:

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

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

Condition 43: Corrective action.

Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 43.1:

The commissioner may seal the affected stationary combustion installation that does not comply with the provisions in subdivision 6 NYCRR 227-1.6(a) within the time provided.

Condition 44: Corrective action.

Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 44.1:

No person shall cause, permit, or allow the operation of any affected stationary combustion installation sealed by the commissioner in accordance with this section.

Condition 45: Corrective action.

Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 45.1:

No person except the commissioner or his representative shall remove, tamper with, or destroy any seal affixed to any affected stationary combustion installation.

Condition 46: Recycling and Emissions Reduction

Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 46.1:

The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR



Part 82, Subpart F, except as provided for MVAC's in Subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR Part 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR Part 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR Part 82.161.
- d. Persons disposing of small appliances, MVAC's, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR Part 82.166. ("MVAC-like appliance as defined at 40 CFR Part 82.152)
- e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR Part 82.156.
- f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82.166.

**** Emission Unit Level ****

Condition 47: Emission Point Definition By Emission Unit
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 47.1:

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

Emission Unit: 1-00000

Emission Point: 00001

Height (ft.): 222

Diameter (in.): 108

NYTMN (km.): 4509.2

NYTME (km.): 584.8

Building: 251

Item 47.2:

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

Emission Unit: 2-00000

Emission Point: 00002

Height (ft.): 167

Diameter (in.): 36

NYTMN (km.): 4509.2

NYTME (km.): 584.8

Building: 40

Condition 48: Process Definition By Emission Unit



Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 48.1:

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

Emission Unit: 1-00000

Process: 001

Source Classification Code: 1-03-006-02

Process Description: The four boilers burning natural gas.

Emission Source/Control: 0BLRA - Combustion

Emission Source/Control: 0BLRB - Combustion

Emission Source/Control: 0BLRC - Combustion

Emission Source/Control: 0BLRD - Combustion

Item 48.2:

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

Emission Unit: 1-00000

Process: 002

Source Classification Code: 1-03-004-01

Process Description: The four boilers firing residual (# 6) oil.

Emission Source/Control: 0BLRA - Combustion

Design Capacity: 65 million British thermal units

Emission Source/Control: 0BLRB - Combustion

Design Capacity: 65 million British thermal units

Emission Source/Control: 0BLRC - Combustion

Design Capacity: 65 million British thermal units

Emission Source/Control: 0BLRD - Combustion

Design Capacity: 114 million British thermal units

Item 48.3:

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

Emission Unit: 2-00000

Process: 003

Source Classification Code: 2-01-001-02

Process Description:

Seven diesel generators associated with waste heat
boilers.

Emission Source/Control: GEN01 - Combustion



Design Capacity: 1,000 horsepower (mechanical)

Emission Source/Control: GEN02 - Combustion
Design Capacity: 1,000 horsepower (mechanical)

Emission Source/Control: GEN03 - Combustion
Design Capacity: 1,000 horsepower (mechanical)

Emission Source/Control: GEN04 - Combustion
Design Capacity: 1,000 horsepower (mechanical)

Emission Source/Control: GEN05 - Combustion
Design Capacity: 1,000 horsepower (mechanical)

Emission Source/Control: GEN06 - Combustion
Design Capacity: 1,000 horsepower (mechanical)

Emission Source/Control: GEN07 - Combustion
Design Capacity: 1,000 horsepower (mechanical)

Condition 49: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00000 Emission Point: 00001

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular boilers or multiple boilers ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE



Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 50: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00000 Emission Point: 00001

Item 50.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM).

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

Reports due 30 days after each calendar quarter (January - March, April - June, July - September, October - December)

Condition 51: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 227-1.4(b)

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00000 Emission Point: 00001

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:

- 1) Magnitude, date, and time of each exceedence;
- 2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- 3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of downtime;
- 4) Total time the COMS is required to record data during the reporting period;
- 5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time in which the COMS are required to record data; and
- 6) Such other requirements as the Department may deem necessary in order to enforce Article 19 of the Environmental Conservation Law (ECL).

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

Reports due 30 days after each calendar quarter (January - March, April - June, July - September, October - December)

Condition 52: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00000 Emission Point: 00001
Process: 001 Emission Source: OBLRA

Regulated Contaminant:

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

Item 52.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limits for midsize boilers, where initial stacking testing is required for compliance.

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 0.10 pounds per million Btus

Reference Test Method: EPA Method 19

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 53: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00000

Emission Point: 00001

Process: 001

Emission Source: 0BLRB

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limits for midsize boilers, where initial stacking testing is required for compliance.

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 0.10 pounds per million Btus

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 54: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 54.1:



The Compliance Certification activity will be performed for:

Emission Unit: 1-00000 Emission Point: 00001
Process: 001 Emission Source: 0BLRC

Regulated Contaminant:
CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
NOx emission limits for midsize boilers, where initial
stacking testing is required for compliance.

Parameter Monitored: OXIDES OF NITROGEN
Upper Limit of Monitoring: 0.10 pounds per million Btus
Reference Test Method: EPA Method 19
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 55: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00000 Emission Point: 00001
Process: 002 Emission Source: 0BLRA

Regulated Contaminant:
CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
NOx emission limits for midsize boilers, where initial
stacking testing is required for compliance.

Parameter Monitored: OXIDES OF NITROGEN



Upper Limit of Monitoring: 0.30 pounds per million Btus
Reference Test Method: EPA Method 19
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 56: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00000 Emission Point: 00001
Process: 002 Emission Source: OBLRB

Regulated Contaminant:
CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
NOx emission limits for midsize boilers, where initial
stacking testing is required for compliance.

Parameter Monitored: OXIDES OF NITROGEN
Upper Limit of Monitoring: 0.30 pounds per million Btus
Reference Test Method: EPA Method 19
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 57: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00000 Emission Point: 00001
Process: 002 Emission Source: OBLRC

Regulated Contaminant:



CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limits for midsize boilers, where initial stacking testing is required for compliance.

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 0.30 pounds per million Btus

Reference Test Method: EPA Method 19

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 58: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 227-2.4(b)(1)

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00000 Emission Point: 00001

Process: 002 Emission Source: 0BLRD

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 58.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This 114 mmBtu/hr boiler, emission source 0BLRD, shall not emit more than 0.30 lbs of NOx per mmBtu when firing natural gas or residual oil. The following conditions were part of the June 4, 1996 special conditions letter which placed operating limits on the boiler to meet the emission limit on a weighted BTU basis:

1) Stack testing verified the unit currently emits 0.21 lb NOx per mmBtu when firing natural gas, and 0.39 lb NOx per



mmBtu when firing residual (# 6) oil.

2) In order to meet the RACT requirement of 0.30 lb NO_x per mmBtu, this unit shall be limited to firing residual no more than 45% per 12-month period on a BTU basis.

3) Compliance with this limit shall be achieved through the following restrictions:

a) Residual oil use can not exceed the following:

$$\text{NG/Res} > 150$$

where

NG is natural gas burned, standard cubic feet

Res is # 6 oil burned, gallons

b) This restriction shall be based on a 12-month rolling period.

c) All calculations are based on the higher heating values of 150,000 BTU/gal for # 6 oil and 1050 BTU/scf for natural gas.

d) This unit is restricted to firing NATURAL GAS during the ozone season, which is from April 1 to October 31, except in cases of emergency. Emergency is defined as any situation arising from events outside the control of the facility as defined in Part 201-1.4.

e) This unit is restricted to firing NATURAL GAS or RESIDUAL OIL.

4) Records of monthly NO_x emissions shall be maintained in a permanently bound log. For each month, the log shall contain the amount of each fuel burned in this unit, total NO_x emissions for the month, and the total NO_x emissions for the previous twelve (12) months. Monthly fuel use data shall be derived from metering and /or purchase records. This information, including fuel purchase records, must be kept at the facility for at least five years and must be made available to a representative of the Department upon request during normal business hours.

5) Semi-annually the facility shall submit a report with supporting information to demonstrate that on a monthly basis less than 45% of the previous 12 month Btu input was from residual oil, and that the NG/Res ratio is greater than 150.



6) If an emergency occurs forcing the facility to burn residual oil in this boiler during the ozone season, the facility shall report such an occurrence within 24 hours by telephone. Also within one business week, the facility shall submit a report stating the reason for burning residual oil, the number of gallons used, and the actions the facility took to minimize the amount of oil burned.

7) Send reports or call the Department at:
NYS Department of Environmental Conservation
Region 2
47 - 40 21st Street
Long Island City, NY 11101
718-482-4944

Parameter Monitored: HEAT INPUT
Upper Limit of Monitoring: 45 percent
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)
Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 59: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000
Process: 003 Emission Source: GEN01

Regulated Contaminant:
CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
NOx emission limit for a lean burn internal combustion engine which fires other or multiple fuels. Stack testing will be required in order to demonstrate compliance with the regulatory standard.



Parameter Monitored: OXIDES OF NITROGEN
Upper Limit of Monitoring: 9.0 grams per brake horsepower-hour
Reference Test Method: EPA METHOD 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 60: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000
Process: 003 Emission Source: GEN02

Regulated Contaminant:
CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
NOx emission limit for a lean burn internal combustion engine which fires other or multiple fuels. Stack testing will be required in order to demonstrate compliance with the regulatory standard.

Parameter Monitored: OXIDES OF NITROGEN
Upper Limit of Monitoring: 9.0 grams per brake horsepower-hour
Reference Test Method: EPA METHOD 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 61: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000



Process: 003

Emission Source: GEN03

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limit for a lean burn internal combustion engine which fires other or multiple fuels. Stack testing will be required in order to demonstrate compliance with the regulatory standard.

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 9.0 grams per brake horsepower-hour

Reference Test Method: EPA METHOD 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 62: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000

Process: 003

Emission Source: GEN04

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limit for a lean burn internal combustion engine which fires other or multiple fuels. Stack testing will be required in order to demonstrate compliance with the regulatory standard.



Parameter Monitored: OXIDES OF NITROGEN
Upper Limit of Monitoring: 9.0 grams per brake horsepower-hour
Reference Test Method: EPA METHOD 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 63: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000
Process: 003 Emission Source: GEN05

Regulated Contaminant:
CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
NOx emission limit for a lean burn internal combustion engine which fires other or multiple fuels. Stack testing will be required in order to demonstrate compliance with the regulatory standard.

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Parameter Monitored: OXIDES OF NITROGEN
Upper Limit of Monitoring: 9.0 grams per brake horsepower-hour
Reference Test Method: EPA METHOD 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 64: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000



Process: 003

Emission Source: GEN06

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limit for a lean burn internal combustion engine which fires other or multiple fuels. Stack testing will be required in order to demonstrate compliance with the regulatory standard.

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 9.0 grams per brake horsepower-hour

Reference Test Method: EPA METHOD 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 65: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000

Process: 003

Emission Source: GEN07

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limit for a lean burn internal combustion engine which fires other or multiple fuels. Stack testing will be required in order to demonstrate compliance with the regulatory standard.



Parameter Monitored: OXIDES OF NITROGEN
Upper Limit of Monitoring: 9.0 grams per brake horsepower-hour
Reference Test Method: EPA METHOD 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 66: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000 Emission Point: 00002

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular boilers or multiple boilers ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 67: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000 Emission Point: 00002



Item 67.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM).

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

Reports due 30 days after each calendar quarter (January - March, April - June,
July - September, October - December)

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Condition 68: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 227-1.4(b)

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000 Emission Point: 00002

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:

- 1) Magnitude, date, and time of each exceedence;
- 2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- 3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of



downtime;

4) Total time the COMS is required to record data during the reporting period;

5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time in which the COMS are required to record data; and

6) Such other requirements as the Department may deem necessary in order to enforce Article 19 of the Environmental Conservation Law (ECL).

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

Reports due 30 days after each calendar quarter (January - March, April - June, July - September, October - December)

Condition 69: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000 Emission Point: 00002
Process: 003

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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



stack:

- weather condition
- was a plume observed?

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

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence.

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

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

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 70: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000 Emission Point: 00002



Process: 003

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

- weather condition
- was a plume observed?

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

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence.

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

** NOTE ** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the



detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 71: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000 Emission Point: 00002
Process: 003 Emission Source: GEN01

Regulated Contaminant:

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

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NOx RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit. Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine oil analysis, and fuel consumption versus power output of the unit.

Reference Test Method: METHOD 19

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE



Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 72: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000 Emission Point: 00002
Process: 003 Emission Source: GEN02

Regulated Contaminant:
CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NO_x RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit. Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine oil analysis, and fuel consumption versus power output of the unit.

Reference Test Method: METHOD 19

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 73: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 73.1:

The Compliance Certification activity will be performed for:



Emission Unit: 2-00000 Emission Point: 00002
Process: 003 Emission Source: GEN03

Regulated Contaminant:
CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NOx RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit. Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine oil analysis, and fuel consumption versus power output of the unit.

Reference Test Method: METHOD 19

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 74: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000 Emission Point: 00002
Process: 003 Emission Source: GEN04

Regulated Contaminant:
CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

Item 74.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NOx RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit. Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine oil analysis, and fuel consumption versus power output of the unit.

Reference Test Method: METHOD 19

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 75: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000 Emission Point: 00002
Process: 003 Emission Source: GEN05

Regulated Contaminant:

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

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NOx RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit. Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic



data obtained after a set number of operating hours, engine oil analysis, and fuel consumption versus power output of the unit.

Reference Test Method: METHOD 19

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 76: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000 Emission Point: 00002
Process: 003 Emission Source: GEN06

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NOx RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit. Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine oil analysis, and fuel consumption versus power output of the unit.

Reference Test Method: METHOD 19

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



Condition 77: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000 Emission Point: 00002
Process: 003 Emission Source: GEN07

Regulated Contaminant:
CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure that the unit runs at optimum conditions and stays in compliance with the NOx RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit. Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine oil analysis, and fuel consumption versus power output of the unit.

Reference Test Method: METHOD 19

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



STATE ONLY ENFORCEABLE CONDITIONS

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

Condition 78: General Provisions
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable State Requirement: 6NYCRR 201-5.

Item 78.1:

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 78.2:

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 78.3:

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

Condition 79: Contaminant List
Effective between the dates of 01/22/2001 and 01/21/2006

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

Item 79.1:

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

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Condition 80: Air pollution prohibited
Effective between the dates of 01/22/2001 and 01/21/2006



Applicable State Requirement: 6NYCRR 211.2

Item 80.1:

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

Condition 81: Compliance Certification
Effective between the dates of 01/22/2001 and 01/21/2006

Applicable State Requirement: 6NYCRR 211.2

Item 81.1:

The Compliance Certification activity will be performed for the Facility.

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility shall establish a complaint response procedure to manage complaints related to air emissions from this facility. The procedure shall be designed to ensure that complaints from officials or neighbors are adequately received and documented, and that appropriate response is taken by the facility. The facility shall:

1. Have a complaint phone line available 24 hours a day, 7 days a week.
2. Investigate any possible causes of any complaint received.
3. Take prompt action to abate any circumstance which is found to be the cause of the complaint.
4. Fully document the complaint, results of investigation, and any action taken.
5. Report in a format acceptable to the Department.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

Condition 82: Compliance Certification



Effective between the dates of 01/22/2001 and 01/21/2006

Applicable State Requirement: 6NYCRR 227-1.4(a)

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00000

Item 82.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Any person who owns a stationary combustion installation (excluding gas turbines), with a total maximum heat input capacity exceeding 250 million Btu per hour shall install, operate in accordance with manufacturer's instructions, and properly maintain, accurate instruments satisfying the criteria in appendix B of title 40, part 60 of the Code of Federal Regulations, or approved by the commissioner on an individual case basis, for continuously monitoring and recording opacity, and when sulfur dioxide continuous monitoring is required by Part 225 of this Title, for continuously monitoring and recording either the percent oxygen or carbon dioxide in the flue gases from such installations at all times that the combustion installation is in service. Where gas is the only fuel burned, monitoring and recording of opacity is not required.

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Reference Test Method: Appendix B, 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

Reports due 30 days after each calendar quarter (January - March, April - June,
July - September, October - December)

Condition 83: Compliance Certification

Effective between the dates of 01/22/2001 and 01/21/2006

Applicable State Requirement: 6NYCRR 227-1.4(a)

Item 83.1:

The Compliance Certification activity will be performed for:



Emission Unit: 2-00000

Item 83.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Any person who owns a stationary combustion installation (excluding gas turbines), with a total maximum heat input capacity exceeding 250 million Btu per hour shall install, operate in accordance with manufacturer's instructions, and properly maintain, accurate instruments satisfying the criteria in appendix B of title 40, part 60 of the Code of Federal Regulations, or approved by the commissioner on an individual case basis, for continuously monitoring and recording opacity, and when sulfur dioxide continuous monitoring is required by Part 225 of this Title, for continuously monitoring and recording either the percent oxygen or carbon dioxide in the flue gases from such installations at all times that the combustion installation is in service. Where gas is the only fuel burned, monitoring and recording of opacity is not required.

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Reference Test Method: Appendix B, 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

Reports due 30 days after each calendar quarter (January - March, April - June, July - September, October - December)