

New York State Department of Environmental Conservation
Facility DEC ID: 7500700030



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 7-5007-00030/00031
Effective Date: 02/23/2001 Expiration Date: 02/23/2006

Permit Issued To: CORNELL UNIVERSITY
300 DAY HALL
ITHACA, NY 14853-2801

Contact: PATRICK O. MCNALLY
ENV COMPLIANCE OFFICE
HUMPHREYS SERVICE BLDG
ITHACA, NY 14853
(607) 255-2304

Facility: CORNELL UNIVERSITY MAIN CAMPUS
CORNELL CAMPUS
ITHACA, NY 14853

Description:

Cornell University operates the following pollutant emitting devices (that are not otherwise exempt): Boiler 1, which fires coal; Boiler 2, which fires oil; Boiler 5, which fires gas; Boilers 6 and 7, which fire oil or gas and are subject to NSPS Subpart Db; Boiler 8, which fires coal; and a diesel generator. This Title V permit is one of four Title V permits that will be issued to Cornell. Permit conditions specific to Cornell include: special sulfur in fuel limits for the coal fired in Boilers 1 and 8 (which are more stringent than the limits in Part 225-1); annual operating hours on Boiler 5 (for Nox control); a load floor for boiler 2; and load and operating hours on the diesel generator (to avoid new source review). Emissions from Cornell's campus exceed the threshold for a "major source," and is thus subject to Part 201-6 and Title V.

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: MICHAEL K. BARYLSKI
1285 FISHER AVE
CORTLAND, NY 13045-1090

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 7
SUBOFFICE



DEC GENERAL CONDITIONS

****** General Provisions ******

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Item 2.1:

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

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

Item 3.1:

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

Item 3.2:

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

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

Item 4.1:

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

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modification, suspension or revocation include:

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

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

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

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 7 Sub-office
Division of Environmental Permits
1285 Fisher Avenue
Cortland, NY 13045-1090
(607) 753-3095



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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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CORNELL CAMPUS
ITHACA, NY 14853

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

Permit Effective Date: 02/23/2001

Permit Expiration Date: 02/23/2006



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FEDERALLY ENFORCEABLE CONDITIONS

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

Condition 1: Sealing

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 200.5

Item 1.1:

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

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

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

Condition 2: Acceptable ambient air quality

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 200.6

Item 2.1:

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

Condition 3: Maintenance of equipment

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 200.7

Item 3.1:

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



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Condition 4: Unpermitted Emission Sources
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-1.2

Item 4.1:

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

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Condition 5: Unavoidable Noncompliance and Violations
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-1.4

Item 5.1:

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

- (a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit or certificate issued for the corresponding air contamination source. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.
- (b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.



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

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

Condition 6: Emergency Defense
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-1.5

Item 6.1:

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

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

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

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

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

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

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

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

Condition 7: Recycling and Salvage
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-1.7



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Item 7.1:

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

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

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 8.1:

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

Condition 9: Public Access to Recordkeeping for Title V facilities

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 9.1:

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

Condition 10: Proof of Eligibility

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 10.1:

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

Condition 11: Proof of Eligibility

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 11.1:

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part



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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 12: Applicable Criteria, Limits, Terms, Conditions and Standards
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 12.1:

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

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

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

Item 12.2:

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

Condition 13: Cessation or Reduction of Permitted Activity Not a Defense
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 13.1:

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

Condition 14: Compliance Requirements
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

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Item 14.1:

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

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

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

Item 14.2:

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

Item 14.3:

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

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

Condition 15: Federally-Enforceable Requirements
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 15.1:

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



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only state regulations.

Condition 16: Fees

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 16.1:

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

Condition 17: Monitoring, Related Recordkeeping and Reporting Requirements

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 17.1:

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

Condition 18: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 18.1:

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

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

Condition 19: Permit Shield

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

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Item 19.1:

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

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

Condition 20: Property Rights

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 20.1:

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

Condition 21: Reopening for Cause

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 21.1:

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.



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ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Item 21.2:

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

Item 21.3:

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

Condition 22: Right to Inspect

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 22.1:

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

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

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

iii. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 23: Severability

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 23.1:



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

Condition 24: Emission Unit Definition

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 24.1:

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

Emission Unit: 1-CHP01

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF BOILERS 6,7 AND 8 EXHAUSTING THROUGH EP00001. BOILERS 6 AND 7 ARE IDENTICAL BOILERS. EACH IS CAPABLE OF FIRING NATURAL GAS AT 145 MMBTU/HR OR NO. 6 FUEL OIL AT 138 MMBTU/HR. BOILERS 6 AND 7 ARE SUBJECT TO NSPS Db. BOILER 8 IS A 248 MMBTU/HR COAL-FIRED OVERFEED STOKER BOILER. BOILER 8 HAS SPECIAL SULFUR-IN-FUEL LIMITS BASED ON AMBIENT MODELING. BOILERS 6 AND 7 ARE ALSO PERMITTED TO BURN WASTE FUEL A FOR HEAT RECOVERY.

Building(s): 5510B

Item 24.2:

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

Emission Unit: 1-CHP02

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF BOILERS 1 AND 2 EXHAUSTING THROUGH EP00002. BOILER 1 IS A 117 MMBTU/HR, COAL-FIRED SPREADER STOKER BOILER. BOILER 2 IS A 103 MMBTU/HR, NO.6 OIL-FIRED BOILER.

Building(s): 5510B

Item 24.3:

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

Emission Unit: 1-CHP03

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF BOILER 5 EXHAUSTING THROUGH EP00003. BOILER 5 IS A 145 MMBTU/HR, NATURAL GAS-FIRED BOILER.

Building(s): 5510B

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Item 24.4:

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

Emission Unit: 1-CHP04

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF A 750 KW DIESEL ENGINE/GENERATOR SET. THE GENERATOR IS USED FOR BOTH EMERGENCY POWER AND FOR ELECTRICITY PEAK SHAVING.

Building(s): 5510B

Item 24.5:

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

Emission Unit: 1-CHP05

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF THE COAL STORAGE PILE FOR BOILERS 1 AND 8. NOTE THAT ALL EMISSIONS FROM THIS EMISSION UNIT ARE FUGITIVE.

Building(s): CPILE1

Condition 25: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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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 26: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

- the identification of each term or condition of the permit that is the basis of the certification;
- the compliance status;
- whether compliance was continuous or intermittent;

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- 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:

615 Erie Boulevard, West
Syracuse, NY 13204-2400

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



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Condition 27: Permit Exclusion Provisions

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 27.1:

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

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

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

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

Condition 28: Non Applicable requirements

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 28.1:

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

Condition 29: Required emissions tests

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 202-1.1



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Item 29.1:

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

Condition 30: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR YEAR)

Reports due by April 15th for previous calendar year

Condition 31: Recordkeeping requirements

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 31.1:

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

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

Condition 32: Visible emissions limited.

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 211.3



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Item 32.1:

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

**Condition 33: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 02/23/2001 and 02/23/2006**

Applicable Federal Requirement: 6NYCRR 215.

Item 33.1:

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 34: Recycling and Emissions Reduction
Effective between the dates of 02/23/2001 and 02/23/2006**

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 34.1:

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 35: Emission Point Definition By Emission Unit



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Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 35.1:

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

Emission Unit: 1-CHP01

Emission Point: 00001

Height (ft.): 225

Diameter (in.): 136

NYTMN (km.): 4700.1

NYTME (km.): 378.3

Building: 5510B

Item 35.2:

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

Emission Unit: 1-CHP02

Emission Point: 00002

Height (ft.): 225

Diameter (in.): 132

NYTMN (km.): 4700.1

NYTME (km.): 378.3

Building: 5510B

Item 35.3:

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

Emission Unit: 1-CHP03

Emission Point: 00003

Height (ft.): 77

Diameter (in.): 60

NYTMN (km.): 4700.1

NYTME (km.): 378.3

Building: 5510B

Item 35.4:

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

Emission Unit: 1-CHP04

Emission Point: 00004

Height (ft.): 39

Diameter (in.): 10

NYTMN (km.): 4700.1

NYTME (km.): 378.3

Building: 5510B

Condition 36: Process Definition By Emission Unit

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 36.1:

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

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Emission Unit: 1-CHP01

Process: 67G

Source Classification Code: 1-02-006-01

Process Description:

PROCESS 67G CONSISTS OF NATURAL GAS COMBUSTION IN A 145 MMBTU/HR BOILER. THIS PROCESS APPLIES TO BOILER 6 AND/OR BOILER 7. ALL PROCESS APPLICABLE REQUIREMENTS AND REPORTED PROCESS EMISSIONS APPLY TO EACH BOILER.

Emission Source/Control: BOIL6 - Combustion

Emission Source/Control: BOIL7 - Combustion

Item 36.2:

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

Emission Unit: 1-CHP01

Process: 67O

Source Classification Code: 1-02-004-01

Process Description:

PROCESS 67O CONSISTS OF COMBUSTION OF OIL (NO. 6 FUEL OIL OR NO .6 FUEL OIL AND WASTE FUEL A). THE DESIGN CAPACITY OF THE UNIT WHEN FIRING NO. 6 OIL IS 138 MILLION Btu'S PER HOUR. THIS PROCESS APPLIES TO BOILER 6 AND/OR BOILER 7. ALL PROCESS APPLICABLE REQUIREMENTS AND REPORTED PROCESS EMISSIONS APPLY TO EACH BOILER.

Emission Source/Control: BOIL6 - Combustion

Emission Source/Control: BOIL7 - Combustion

Item 36.3:

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

Emission Unit: 1-CHP01

Process: B8C

Source Classification Code: 1-02-002-05

Process Description:

PROCESS B8C CONSISTS OF COAL COMBUSTION IN THE 248 MMBTU/HR MASS OVERFEED STOKER BOILER 8.

Emission Source/Control: BOIL8 - Combustion

Design Capacity: 248 million Btu per hour

Emission Source/Control: FF008 - Control

Control Type: FABRIC FILTER

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Item 36.4:

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

Emission Unit: 1-CHP02

Process: B1C

Source Classification Code: 1-02-002-04

Process Description:

PROCESS B1C CONSISTS OF COAL COMBUSTION IN
117 MMBTU/HR SPREADER STOKER BOILER 1.

Emission Source/Control: BOIL1 - Combustion

Design Capacity: 117 million Btu per hour

Emission Source/Control: FF001 - Control

Control Type: FABRIC FILTER

Item 36.5:

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

Emission Unit: 1-CHP02

Process: B20

Source Classification Code: 1-02-004-01

Process Description:

PROCESS B20 CONSISTS OF NO. 6 FUEL OIL
COMBUSTION IN 103 MMBTU/HR BOILER 2.

Emission Source/Control: BOIL2 - Combustion

Design Capacity: 103 million Btu per hour

Item 36.6:

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

Emission Unit: 1-CHP03

Process: B5G

Source Classification Code: 1-02-006-01

Process Description:

PROCESS B5G IS NATURAL GAS COMBUSTION IN
145 MMBTU/HR BOILER 5.

Emission Source/Control: BOIL5 - Combustion

Design Capacity: 145 million Btu per hour

Item 36.7:

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

Emission Unit: 1-CHP04

Process: G1E

Source Classification Code: 2-03-001-09

Process Description:

PROCESS G1E CONSISTS OF A 750 KW
CATERPILLAR MODEL 3508-TA DIESEL GENERATOR



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USED TO GENERATE BACK-UP POWER DURING
EMERGENCY SITUATIONS.

Emission Source/Control: DGEN1 - Combustion

Design Capacity: 750 kilowatts

Item 36.8:

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

Emission Unit: 1-CHP04

Process: G1P

Source Classification Code: 2-03-001-09

Process Description:

PROCESS G1P CONSISTS OF A 750 KW
CATERPILLAR MODEL 3508-TA DIESEL GENERATOR
USED FOR ELECTRICITY PEAK SHAVING. THIS
GENERATOR IS ALSO USED IN EMERGENCY
SITUATIONS.

Emission Source/Control: DGEN1 - Combustion

Design Capacity: 750 kilowatts

Item 36.9:

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

Emission Unit: 1-CHP05

Process: CSP

Source Classification Code: 3-05-103-03

Process Description:

THIS PROCESS CONSISTS OF COAL STORAGE AND
HANDLING ASSOCIATED WITH THE COAL STORAGE
PILE. ALL EMISSIONS ARE FUGITIVE.

Emission Source/Control: CPILE - Process

Condition 37: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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THIS CONDITION APPLIES TO BOILERS 6, 7 AND 8. OPACITY FROM EACH BOILER SHALL NOT BE GREATER THAN 20% FOR A 6 MINUTE AVERAGE, EXCEPT FOR ONE 6-MINUTE AVERAGE PER HOUR OF NOT GREATER THAN 27%. COMPLIANCE SHALL BE DETERMINED BY CONTINUOUSLY MONITORING OPACITY WITH CONTINUOUS OPACITY MONITORS LOCATED IN THE BREECHING OF EACH BOILER (BOILERS 6, 7& 8).

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Reference Test Method: 40 CFR 60 APP B

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 38: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE OWNER OR OPERATOR 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, FOR CONTINUOUSLY MONITORING AND RECORDING OPACITY FROM EACH OF THE BOILERS EXHAUSTING TO EMISSION POINT EP00001. THE OWNER OR OPERATOR SHALL SUBMIT AN ACCURATE EXCESS EMISSIONS AND MONITORING SYSTEM PERFORMANCE REPORT TO THE DEPARTMENT FOR EACH CALENDAR YEAR

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QUARTER. ALL REPORTS SHALL BE CERTIFIED BY A RESPONSIBLE CORPORATE OFFICIAL AS TRUE, ACCURATE AND COMPLETE AND POSTMARKED BY THE 60TH DAY FOLLOWING THE END OF EACH CALENDAR QUARTER. THE QUARTERLY EXCESS EMISSIONS REPORT SHALL BE SUBMITTED IN A FORM ACCEPTABLE TO THE DEPARTMENT AND SHALL INCLUDE THE FOLLOWING INFORMATION:

1. THE MAGNITUDE, DATE AND TIME OF EACH 6-MINUTE BLOCK AVERAGE DURING WHICH THE AVERAGE OPACITY OF EMISSIONS EXCEEDED 20 PERCENT, EXCEPT FOR ONE SIX MINUTE BLOCK AVERAGE PER HOUR NOT TO EXCEED 27 PERCENT;
2. FOR EACH PERIOD OF EXCESS EMISSION, SPECIFIC IDENTIFICATION OF THE CAUSE AND CORRECTIVE ACTION TAKEN;
3. IDENTIFICATION OF ALL PERIODS OF COMS DOWNTIME, INCLUDING THE DATE, TIME AND DURATION OF EACH INOPERABLE PERIOD, AND THE CAUSE AND CORRECTIVE ACTION FOR EACH COMS DOWNTIME PERIOD;
4. THE TOTAL TIME IN WHICH THE COMS ARE REQUIRED TO RECORD DATA DURING THE REPORTING PERIOD;
5. THE TOTAL NUMBER OF EXCEEDANCES AND THE DURATION OF EXCEEDANCES EXPRESSED AS A PERCENTAGE OF THE TOTAL TIME IN WHICH THE COMS ARE REQUIRED TO RECORD DATA; AND
6. SUCH OTHER THINGS AS THE DEPARTMENT MAY DEEM NECESSARY, PROPER OR DESIRABLE IN ORDER TO ENFORCE ARTICLE 19 OF THE ENVIRONMENTAL CONSERVATION LAW OR THE RULES PROMULGATED THEREUNDER.

Parameter Monitored: OPACITY
Upper Limit of Monitoring: 20 percent
Reference Test Method: PART60, APP B, PS1
Monitoring Frequency: CONTINUOUS
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)



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Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 39: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67G

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE OWNER OR OPERATOR MUST COMPLY WITH 6 NYCRR 227-2, NOX RACT. BOILERS 6 AND 7 ARE LARGE BOILERS. EMISSIONS OF NOX FROM BOILERS 6 AND/OR 7 SHALL NOT EXCEED 0.30LB/MMBTU WHEN BURNING GAS (PROCESS 67G). COMPLIANCE SHALL BE DETERMINED ON A 24 HOUR BLOCK AVERAGE FROM MAY 1-SEPTEMBER 15, AND A 30 DAY ROLLING AVERAGE FROM SEPTEMBER 16 TO APRIL 30. THE OWNER OR OPERATOR SHALL MONITOR EMISSIONS USING THE MONITORING SYSTEM REQUIRED UNDER 40 CFR PART 60, SUBPART DB. THE OWNER OR OPERATOR SHALL SUBMIT TO DEC ON A QUARTERLY BASIS REPORTS OF EXCESS EMISSIONS OF NO_x. SUCH REPORTS SHALL STATE THE DATE, TIME AND MAGNITUDE OF THE EXCEEDANCE, THE CAUSE OF THE EXCEEDANCE, AND THE CORRECTIVE ACTION TAKEN. THE OWNER OR OPERATOR SHALL ALSO SUBMIT TO THE DEC A REPORT OF THE TIME PERIODS THAT THE NOX MONITORING SYSTEM IS NOT OPERATING. SUCH REPORTS SHALL STATE THE DATE AND TIME OF EACH PERIOD THAT THE MONITORING SYSTEM WAS NOT OPERATING, THE



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**REASON FOR THE MALFUNCTION, AND THE
CORRECTIVE ACTION.**

Upper Limit of Monitoring: 0.3 pounds per million Btus
Reference Test Method: SUBPART DB
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR YEAR)
Reports due 30 days after each calendar quarter (January - March, April - June,
July - September, October - December)

Condition 40: Recordkeeping requirements.
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 40.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67G

Item 40.2:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 41: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67G

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected owners or operators shall submit an excess emissions report semi-annually based on the calendar year (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be postmarked no later than 30 calendar days following the end of the reporting period, and shall

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contain the following information:

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero span checks and the nature of the system repairs or adjustments; and
- 4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 42: Excess Emissions Report
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 42.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67G

Item 42.2:

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

Condition 43: Facility files for subject sources.
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 43.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67G



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Item 43.2:

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspection. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

**Condition 44: Compliance with Standards and Maintenance Requirements
Effective between the dates of 02/23/2001 and 02/23/2006**

Applicable Federal Requirement: 40CFR 60.11(d), NSPS Subpart A

Item 44.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67G

Item 44.2:

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source

**Condition 45: Circumvention.
Effective between the dates of 02/23/2001 and 02/23/2006**

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 45.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67G

Item 45.2:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

**Condition 46: Monitoring requirements.
Effective between the dates of 02/23/2001 and 02/23/2006**

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 46.1:



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This Condition applies to Emission Unit: 1-CHP01
Process: 67G

Item 46.2:

All monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

Condition 47: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.44b(a)(1), NSPS Subpart Db

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67G

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

Item 47.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
BOILERS 6 AND 7 ARE SUBJECT TO 40 CFR
60.44b(a). THE NOX NSPS LIMIT FOR 67G
(BURNING GAS IN BOILER 6 OR BOILER 7) IS
0.10 LB/MMBTU COMPUTED ON A 30 DAY
ROLLING AVERAGE. THE OWNER OR OPERATOR
SHALL MONITOR EMISSIONS USING THE
MONITORING SYSTEM REQUIRED UNDER 40 CFR
PART 60, SUBPART DB (EITHER A PREDICTIVE
SYSTEM OR CONTINUOUS EMISSION MONITORS).

Parameter Monitored: OXIDES OF NITROGEN
Upper Limit of Monitoring: 0.1 pounds per million Btus
Monitoring Frequency: CONTINUOUS
Averaging Method: 30-DAY AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)
Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 48: Compliance methods for oxides of nitrogen.
Effective between the dates of 02/23/2001 and 02/23/2006



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Applicable Federal Requirement: 40CFR 60.46b, NSPS Subpart Db

Item 48.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67G

Item 48.2:

Oxides of nitrogen emission standards in section 40 CFR 60-Db.44b shall apply at all times.

Condition 49: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.49b(d), NSPS Subpart Db

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67G

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 50: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.49b(g), NSPS Subpart Db

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67G

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Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain records of the following information for each steam generating unit operating day:

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO₂) (ng/J or lb/million Btu heat input) measured or predicted.
- 3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceeding 30 steam generating unit operating days.
- 4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40CFR60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
- 5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
- 6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
- 7) Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted.
- 8) Identification of the times when the pollutant concentration exceeded the full span of the continuous monitoring system.
- 9) Description of any modifications to the continuous monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3.
- 10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40CFR60 Appendix F,



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Procedure 1.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 51: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.49b(h), NSPS Subpart Db

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67G

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall submit semiannual excess emission reports for opacity and/or, oxides of nitrogen, and/or sulfur dioxide any reporting period during which there are excess emissions from the affected facility. If there are no excess emissions during the reporting period, the owner or operator shall submit a report semiannually stating that no excess emissions occurred during that semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 52: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.49b(i), NSPS Subpart Db

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67G

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN



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Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any affected facility subject to the continuous monitoring requirements for nitrogen oxides under §60.48b shall submit reports containing the information recorded under 40CFR60.49b(g). All reports shall be postmarked by the 30th day following the end of each semiannual period.

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 53: Records Retention

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.49b(o), NSPS Subpart Db

Item 53.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67G

Item 53.2:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

Condition 54: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 225-2.3(b)(1)

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE OWNER OR OPERATOR MAY BURN WASTE FUEL A, AS DEFINED IN 6 NYCRR 225-2, IN

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BOILERS 6, OR 7, PROVIDED THE FOLLOWING
CONDITIONS ARE MET.

1. ONLY WASTE FUEL A (SUBPART 225-2) AND WASTE OIL MEETING THE REQUIREMENTS FOR EXEMPTION UNDER 40 CFR 266, SUBPART E SHALL BE BURNED.
2. INDIVIDUAL BOILERS MUST DEMONSTRATE 99% OR GREATER COMBUSTION EFFICIENCY WHEN BURNING WASTE FUEL. COMBUSTION EFFICIENCY SHALL BE DETERMINED IN CONFORMANCE WITH AIR GUIDE 17, APPENDIX III.
3. FUEL ANALYSES MUST COMPLY WITH THE ANALYTICAL METHODS REFERENCED IN AIR GUIDE 17, APPENDIX II.
4. THE OWNER OR OPERATOR IS ALLOWED TO BLEND ("BULK UP") OILS FROM CAMPUS FACILITIES FOR THE PURPOSE OF SAMPLING AND ANALYSIS (OF EACH BATCH) PRIOR TO BURNING. THE OWNER OR OPERATOR SHALL RECORD AND MAINTAIN RECORDS SHOWING THE ORIGIN OF THE WASTE FUEL, THE TYPE OF OIL, AND THE QUANTITY AND DATE DELIVERED TO THE BULK TANK.
5. THE FIRING RATE FOR WASTE FUEL A SHALL NOT EXCEED 10% FOR THE FIRING RATE, ON A BTU BASIS, OF THE PRIMARY FUEL TO THE BOILER. BOILERS 6 AND 7 MUST BE STABILIZED AT OR ABOVE 40 MMBTU/HR HEAT INPUT WHEN FIRING WASTE FUEL A.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 55: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 55.1:

The Compliance Certification activity will be performed for:

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Emission Unit: 1-CHP01

Process: 67O

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE OWNER OR OPERATOR SHALL NOT CAUSE OR ALLOW AN EMISSION INTO THE OUTDOOR ATMOSPHERE OF PARTICULATES IN EXCESS OF 0.10 LB/MMBTU FOR BOILERS 6 OR 7 WHEN FIRING OIL (PROCESS 67O). COMPLIANCE SHALL BE DETERMINED USING STACK TESTING ACCORDING TO METHODS FOUND AT 40 CFR PART 60 APPENDIX A. STACK TESTING SHALL BE CONDUCTED AT LEAST ONCE PER PERMIT TERM, AND ADDITIONALLY UPON REQUEST FROM THE DEPARTMENT.

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: PART60,APP A, METH 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 56: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 56.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE OWNER OR OPERATOR MUST COMPLY WITH 6 NYCRR 227-2, NOX RACT. BOILERS 6 AND 7 ARE LARGE BOILERS. EMISSIONS OF NOX FROM BOILERS 6 AND/OR 7 SHALL NOT EXCEED 0.30LB/MMBTU WHEN BURNING OIL (PROCESS 67O). COMPLIANCE SHALL BE DETERMINED ON A 24 HOUR BLOCK AVERAGE FROM MAY 1 TO SEPTEMBER 15, AND A 30 DAY ROLLING AVERAGE FROM SEPTEMBER 16 TO APRIL 30.

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THE OWNER OR OPERATOR SHALL MONITOR EMISSIONS USING THE MONITORING SYSTEM REQUIRED UNDER 40 CFR PART 60, SUBPART DB. THE OWNER OR OPERATOR SHALL SUBMIT TO DEC ON A QUARTERLY BASIS REPORTS OF EXCESS EMISSIONS OF NO_x. SUCH REPORTS SHALL STATE THE DATE, TIME AND MAGNITUDE OF THE EXCEEDANCE, THE CAUSE OF THE EXCEEDANCE, AND THE CORRECTIVE ACTION TAKEN. THE OWNER OR OPERATOR SHALL ALSO SUBMIT TO THE DEC A REPORT OF THE TIME PERIODS THAT THE NOX MONITORING SYSTEM IS NOT OPERATING. SUCH REPORTS SHALL STATE THE DATE AND TIME OF EACH PERIOD THAT THE MONITORING SYSTEM WAS NOT OPERATING, THE REASON FOR THE MALFUNCTION, AND THE CORRECTIVE ACTION.

Upper Limit of Monitoring: 0.3 pounds per million Btus

Reference Test Method: SUBPART Db

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 57: Recordkeeping requirements.

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 57.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

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Item 57.2:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 58: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected owners or operators shall submit an excess emissions report semi-annually based on the calendar year (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be postmarked no later than 30 calendar days following the end of the reporting period, and shall contain the following information:

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero span checks and the nature of the system repairs or adjustments; and
- 4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative,



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repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 59: Excess Emissions Report
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 59.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 59.2:

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

Condition 60: Facility files for subject sources.
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 60.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 60.2:

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspection. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 61: Compliance with Standards and Maintenance Requirements
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.11(d), NSPS Subpart A

Item 61.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 61.2:

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility



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shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source

Condition 62: Circumvention.

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 62.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 62.2:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 63: Monitoring requirements.

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 63.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 63.2:

All monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

Condition 64: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.42b(a), NSPS Subpart Db

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

Regulated Contaminant:

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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

UNITS 6 AND 7 ARE SUBJECT TO THE SULFUR DIOXIDE LIMIT IN 40 CFR PART 60, SUBPART Db:

THE OWNER AND OPERATOR SHALL NOT CAUSE TO BE DISCHARGED INTO INTO THE ATMOSPHERE ANY GASES CONTAINING SULFUR DIOXIDE IN EXCESS OF 0.80 LB SO₂/MMBTU, WHILE COMBUSTING OIL (PROCESS 67O). PURSUANT TO 40 CFR 60.42b(e), COMPLIANCE IS BASED ON A 30 DAY ROLLING AVERAGE. CORNELL SHALL DEMONSTRATE COMPLIANCE WITH THIS LIMIT BY COMBUSTING ONLY VERY LOW SULFUR OIL AS DEFINED IN 40 CFR 60.41b. VERY LOW SULFUR OIL MEANS AN OIL THAT CONTAINS NO MORE THAN 0.5 WEIGHT PERCENT SULFUR OR THAT, WHEN COMBUSTED WITHOUT SULFUR DIOXIDE EMISSION CONTROL, HAS A SULFUR DIOXIDE EMISSION RATE EQUAL TO OR LESS THAN 0.5 LB/MMBTU. THE PERCENT REDUCTION REQUIREMENT OF 40 CFR 60.42b(a) ARE NOT APPLICABLE, PER 60.42b(j).

THESE UNITS ARE ALSO SUBJECT TO THE SULFUR-IN-OIL LIMIT IN PART 225-1.2(A)(1). THE OWNER OR OPERATOR SHALL NOT SELL, OFFER FOR SALE, PURCHASE OR USE ANY FUEL OIL WHICH CONTAINS SULFUR IN EXCESS OF 0.75% BY WEIGHT FOR USE IN BOILERS 6 OR 7 (PROCESS 67O).

COMPLIANCE WITH THIS REQUIREMENT WILL BE DEMONSTRATED IN ACCORDANCE WITH USEPA'S LETTER TO PATRICK O. McNALLY OF CORNELL, DATED SEPTEMBER 20, 2000.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Parameter Monitored: SULFUR CONTENT



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Upper Limit of Monitoring: 0.5 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)
Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 65: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.43b(f), NSPS Subpart Db

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

Regulated Contaminant:
CAS No: 0NY075-00-0
Name: PARTICULATES

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

EMISSIONS FROM BOILERS 6 AND 7 (PROCESS 67O) ARE SUBJECT TO 40 CFR 60.43b(f). THE OWNER OR OPERATOR SHALL NOT CAUSE TO BE DISCHARGED INTO THE ATMOSPHERE ANY GASES THAT EXHIBIT GREATER THAN 20 PERCENT OPACITY (6 MINUTE AVERAGE), EXCEPT FOR ONE 6-MINUTE PERIOD PER HOUR OF NOT MORE HAN 27 PERCENT OPACITY. PURSUANT TO 40 CFR 60.43b(g), THE OPACITY STANDARD SHALL APPLY AT ALL TIMES, EXCEPT DURING STARTUP, SHUTDOWN OR MALFUNCTION.

THIS FACILITY IS ALSO SUBJECT TO 6 NYCRR 227-1.3, AND 6 NYCRR 201-1.4. UNDER THESE RULES, THE OPACITY STANDARD APPLIES DURING PERIODS OF STARTUP, SHUTDOWN AND MALFUNCTION, BUT VIOLATIONS OF THIS STANDARD MAY BE EXCUSED BY THE COMMISSIONER OF THE DEC PROVIDED THE RECORDKEEPING AND REPORTING REQUIREMENTS

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OF 6 NYCRR 201-1.4 ARE FOLLOWED.

Upper Limit of Monitoring: 20 percent

Reference Test Method: PART 60, APP B, PS1

Monitoring Frequency: CONTINUOUS

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 66: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.44b(a)(1), NSPS Subpart Db

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 66.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

BOILERS 6 AND 7 ARE SUBJECT TO 40 CFR
60.44b(a). THE NOX NSPS LIMIT FOR 67O
(BURNING OIL IN BOILER 6 OR BOILER 7) IS
0.30 LB/MMBTU COMPUTED ON A 30 DAY
ROLLING AVERAGE. THE OWNER OR OPERATOR
SHALL MONITOR EMISSIONS USING THE
MONITORING SYSTEM REQUIRED UNDER 40 CFR
PART 60, SUBPART Db (EITHER A PREDICTIVE
SYSTEM OR CONTINUOUS EMISSION MONITORS).

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 0.3 pounds per million Btus

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 67: Compliance methods for opacity.



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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.46b, NSPS Subpart Db

Item 67.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 67.2:

The opacity standards in section 40 CFR 60-Db.43b shall apply at all times except during periods of startup, shutdown and malfunction.

Condition 68: Compliance methods for oxides of nitrogen.

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.46b, NSPS Subpart Db

Item 68.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 68.2:

Oxides of nitrogen emission standards in section 40 CFR 60-Db.44b shall apply at all times.

Condition 69: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.49b(d), NSPS Subpart Db

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

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Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 70: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.49b(e), NSPS Subpart Db

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE OWNER OR OPERATOR SHALL MAINTAIN RECORDS OF THE NITROGEN CONTENT OF THE RESIDUAL OIL COMBUSTED IN THE AFFECTED FACILITY AND CALCULATE THE AVERAGE FUEL NITROGEN CONTENT ON A SEMIANNUAL (CALENDAR YEAR) BASIS. NITROGEN CONTENT OF THE RESIDUAL OIL SHALL BE DETERMINED ON SAMPLES COLLECTED IN ACCORDANCE WITH THE PROTOCOL DETAILED IN USEPA'S LETTER TO PATRICK O. McNALLY OF CORNELL, DATED SEPTEMBER 20, 2000, UTILIZING USEPA APPROVED PROCEDURES.

THIS CONDITION WILL NOT BE APPLICABLE AFTER NO_x CONTINUOUS EMISSION MONITORS ARE INSTALLED AND HAVE SUCCESSFULLY COMPLETED THE PERFORMANCE SPECIFICATION TESTS OF 40 CFR PART 60, APPENDIX B.

Reference Test Method: ASTM D4629

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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Condition 71: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.49b(g), NSPS Subpart Db

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

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:

The owner or operator shall maintain records of the following information for each steam generating unit operating day:

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO₂) (ng/J or lb/million Btu heat input) measured or predicted.
- 3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceeding 30 steam generating unit operating days.
- 4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40CFR60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
- 5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
- 6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
- 7) Identification of the "F" factor used for



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calculations, method of determination, and type of fuel combusted.

8) Identification of the times when the pollutant concentration exceeded the full span of the continuous monitoring system.

9) Description of any modifications to the continuous monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3.

10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40CFR60 Appendix F, Procedure 1.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 72: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.49b(h), NSPS Subpart Db

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall submit semiannual excess emission reports for opacity and/or, oxides of nitrogen, and/or sulfur dioxide any reporting period during which there are excess emissions from the affected facility. If there are no excess emissions during the reporting period, the owner or operator shall submit a report semiannually stating that no excess emissions occurred during that semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 73: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.49b(i), NSPS Subpart Db

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Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

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:

The owner or operator of any affected facility subject to the continuous monitoring requirements for nitrogen oxides under §60.48b shall submit reports containing the information recorded under 40CFR60.49b(g). All reports shall be postmarked by the 30th day following the end of each semiannual period.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 74: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.49b(j), NSPS Subpart Db

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility subject to the sulfur dioxide standards under 60.42b shall submit written reports to the Administrator for every semiannual reporting period. All reports shall be postmarked by the



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30th day following the end of each semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)
Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 75: Records Retention
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 60.49b(o), NSPS Subpart Db

Item 75.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 75.2:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

Condition 76: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: B8C

Regulated Contaminant:
CAS No: 0NY075-00-0
Name: PARTICULATES

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE OWNER OR OPERATOR SHALL NOT CAUSE OR ALLOW AN EMISSION INTO THE OUTDOOR ATMOSPHERE OF PARTICULATES IN EXCESS OF 0.3 LB/MMBTU FOR BOILER 8 WHEN FIRING COAL (PROCESS B8C). COMPLIANCE SHALL BE DETERMINED USING STACK TESTING ACCORDING TO METHODS FOUND AT 40 CFR PART 60 APPENDIX A. STACK TESTING SHALL BE CONDUCTED AT LEAST ONCE PER PERMIT TERM,



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AND ADDITIONALLY UPON REQUEST FROM THE DEPARTMENT.

Upper Limit of Monitoring: 0.3 pounds per million Btus
Reference Test Method: PART 60, APP A, METH5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 77: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 227-2.5(c)

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: B8C

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

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
THE OWNER OR OPERATOR MUST COMPLY WITH 6 NYCRR 227-2, NOX RACT. BOILER 8 IS A LARGE BOILER. EMISSIONS OF NOX FROM BOILER 8 SHALL NOT EXCEED 0.40LB/MMBTU ON A ONE-HOUR AVERAGE.

Upper Limit of Monitoring: 0.4 pounds per million Btus
Reference Test Method: PT 60, APP A, METH 7E
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 78: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 257-1.4

Item 78.1:

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The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: B8C

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

EMISSIONS FROM THIS SOURCE ARE SUBJECT TO 6 NYCRR 200.6 AND 6 NYCRR 257-1.4.

THESE RULES PROVIDE THAT 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.

IN ORDER TO MAINTAIN COMPLIANCE WITH THE SULFUR DIOXIDE AMBIENT STANDARD, THE SULFUR CONTENT OF COAL BURNED IN BOILER 8 (PROCESS B8C) SHALL NOT EXCEED 1.2% BY WEIGHT, AS MEASURED FOR ANY AND ALL FUEL SAMPLES.

SAMPLING AND ANALYSIS SHALL BE CONDUCTED IN ACCORDANCE WITH A DEC-APPROVED PROTOCOL. COPIES OF THE PROTOCOL AND DEC'S APPROVAL MUST BE MAINTAINED ON SITE AT ALL TIMES. THE OWNER OR OPERATOR SHALL SUBMIT TO THE DEPARTMENT SAMPLING AND ANALYSIS REPORTS ON A CALENDAR QUARTER BASIS.



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Facility DEC ID: 7500700030

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 1.2 percent by weight

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

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

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 79: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 257-1.4

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: B8C

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Item 79.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EMISSIONS FROM THIS SOURCE ARE SUBJECT
TO 6 NYCRR 200.6 AND 6 NYCRR
257-1.4.

THESE RULES PROVIDE THAT 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.

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IN ORDER TO MAINTAIN COMPLIANCE WITH THE SULFUR DIOXIDE AMBIENT STANDARD, THE SULFUR CONTENT OF COAL BURNED IN BOILER 8 (PROCESS B8C) SHALL NOT EXCEED 1.0% BY WEIGHT FOR EACH ROLLING 12 MONTH ROLLING PERIOD.

SAMPLING AND ANALYSIS SHALL BE CONDUCTED IN ACCORDANCE WITH A DEC-APPROVED PROTOCOL. COPIES OF THE PROTOCOL AND DEC'S APPROVAL MUST BE MAINTAINED ON SITE AT ALL TIMES. THE OWNER OR OPERATOR SHALL SUBMIT TO THE DEPARTMENT SAMPLING AND ANALYSIS REPORTS ON A CALENDAR QUARTER BASIS.

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 1.0 percent by weight

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 80: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 225-1.7(c)

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01 Emission Point: 00001

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Part 225-1.7(c) requires that measurements must be made daily of the rate of each fuel burned. The gross heat content and ash content of each fuel burned must be determined at least once each week. This information must be retained by the source owner for a period of five years.



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Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 81: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B1C

Regulated Contaminant:

fOCAS No: 0NY075-00-0

Name: PARTICULATES

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE OWNER OR OPERATOR SHALL NOT CAUSE OR
ALLOW AN EMISSION INTO THE OUTDOOR
ATMOSPHERE OF PARTICULATES IN EXCESS OF
0.35LB/MMBTU FROM BOILER 1 (PROCESS B1C).

COMPLIANCE SHALL BE DETERMINED USING
STACK TESTING ACCORDING TO METHODS FOUND
AT 40 CFR PART 60 APPENDIX A. STACK
TESTING SHALL BE CONDUCTED AT LEAST ONCE
PER PERMIT TERM, AND ADDITIONALLY UPON
REQUEST FROM THE DEPARTMENT.

Upper Limit of Monitoring: 0.35 pounds per million Btus

Reference Test Method: PART60, APP A, METH5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 82: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 82.1:

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The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B1C

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Boiler 1 shall not exhibit greater than 20% opacity (six minute average), except for one six minute period per hour of not more than 27% opacity.

Compliance may be determined by conducting observations in accordance with EPA Method 9, and/or considering any other credible evidence, including the use of continuous opacity monitoring. Opacity shall be monitored with a continuous opacity monitor located in the breeching of boiler 1, or, alternatively, by conducting visual observations as follows:

- 1) Observe the stack for this boiler, when operating, at least once per day for visible emissions. This observation 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: the weather condition and whether a plume was observed.

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

- 3) If the owner or operator observes any visible emissions (other than steam - see below) two consecutive days firing coal, then the opacity must be determined using EPA Method 9, based on a six minute average, within two business days of such occurrence. The result 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 exceeded. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department

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for acceptance.

****NOTE**** Condensed water vapor 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 the stack. Condensed water plumes are white in color and have a billowy consistency and 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.

In lieu of observing the stack each operating day, the owner or operator may elect to monitor emissions using a continuous emission monitor, located either in the stack or in the breeching of Boiler 1.

Whenever continuous opacity monitors are used to monitor opacity, opacity shall be monitored continuously and reports of excess emissions shall be submitted on a calendar quarter basis. If continuous opacity monitors are not used, then reports of visual observations shall be submitted to the DEC on a semi-annual basis, due 30 days after every six calendar months (January - June, July - December).

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Reference Test Method: 40 CFR 60 APP B

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 83: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B1C

Regulated Contaminant:

CAS No: 0NY210-00-0

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Facility DEC ID: 7500700030



Name: OXIDES OF NITROGEN

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE NOX RACT LMT FOR B1C IS 0.52
LB/MMBTU. COMPLIANCE SHALL BE
DEMONSTRATED BY STACK TESTING CONDUCTED
AT LEAST ONCE PER PERMIT TERM, AND
ADDITIONALLY AT THE REQUEST OF THE
DEPARTMENT.

Upper Limit of Monitoring: 0.52 pounds per million Btus

Reference Test Method: PART60,APP A, METH7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 84: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 257-1.4

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B1C

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Item 84.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EMISSIONS FROM THIS SOURCE ARE SUBJECT
TO 6 NYCRR 200.6 AND 6 NYCRR
257-1.4.

THESE RULES PROVIDE THAT NO PERSON SHALL
ALLOW OR PERMIT ANY AIR CONTAMINATION

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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.

IN ORDER TO MAINTAIN COMPLIANCE WITH THE SULFUR DIOXIDE AMBIENT STANDARD, THE SULFUR CONTENT OF COAL BURNED IN BOILER 1 (PROCESS B1C) SHALL NOT EXCEED 1.0% BY WEIGHT, FOR EACH ROLLING 12 MONTH PERIOD.

SAMPLING AND ANALYSIS SHALL BE CONDUCTED IN ACCORDANCE WITH A DEC-APPROVED PROTOCOL. COPIES OF THE PROTOCOL AND DEC'S APPROVAL MUST BE MAINTAINED ON SITE AT ALL TIMES. THE OWNER OR OPERATOR SHALL SUBMIT TO THE DEPARTMENT SAMPLING AND ANALYSIS REPORTS ON A CALENDAR QUARTER BASIS.

Parameter Monitored: SULFUR DIOXIDE

Upper Limit of Monitoring: 1.0 percent by weight

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 85: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 6NYCRR 257-1.4

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B1C

Regulated Contaminant:

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Facility DEC ID: 7500700030



CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Item 85.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EMISSIONS FROM THIS SOURCE ARE SUBJECT
TO 6 NYCRR 200.6 AND 6 NYCRR
257-1.4.

THESE RULES PROVIDE THAT 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.

IN ORDER TO MAINTAIN COMPLIANCE WITH THE
SULFUR DIOXIDE AMBIENT STANDARD, THE
SULFUR CONTENT OF COAL BURNED IN BOILER 1
(PROCESS B1C) SHALL NOT EXCEED 1.2% BY
WEIGHT, AS MEASURED FOR ANY AND ALL FUEL
SAMPLES.

SAMPLING AND ANALYSIS SHALL BE CONDUCTED
IN ACCORDANCE WITH A DEC-APPROVED
PROTOCOL. COPIES OF THE PROTOCOL AND
DEC'S APPROVAL MUST BE MAINTAINED ON SITE
AT ALL TIMES. THE OWNER OR OPERATOR
SHALL SUBMIT TO THE DEPARTMENT SAMPLING
AND ANALYSIS REPORTS ON A CALENDAR
QUARTER BASIS.

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 1.2 percent by weight

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

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



New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Reporting Requirements: QUARTERLY (CALENDAR YEAR)
Reports due 30 days after each calendar quarter (January - March, April - June,
July - September, October - December)

Condition 86: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02
Process: B20

Regulated Contaminant:
CAS No: 007446-09-5
Name: SULFUR DIOXIDE

Item 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

BOILER 2 COMBUSTS NO. 6 FUEL OIL WHICH MEETS THE USEPA DEFINITION OF VERY LOW SULFUR FUEL OIL. THE FUEL SUPPLY IS THE SAME FOR BOILER 2 AS FOR BOILERS 6 AND 7. THE SULFUR CONTENT OF FUEL OIL BURNED IN BOILER 2 IS LIMITED BY 6 NYCRR PART 225 TO 1.5% BY WEIGHT. THE OWNER OR OPERATOR SHALL NOT SELL, OFFER FOR SALE, PURCHASE OR USE ANY FUEL OIL WHICH CONTAINS SULFUR GREATER THAN 1.5% BY WEIGHT. COMPLIANCE WITH THIS LIMIT WILL BE DEMONSTRATED THROUGH FUEL SUPPLIER CERTIFICATIONS OR RECEIPTS AND THROUGH SAMPLING AND ANALYSIS OF BOILER 6 AND 7 IN ACCORDANCE WITH USEPA'S LETTER TO PATRICK O. McNALLY OF CORNELL DATED SEPTEMBER 20, 2000. CORNELL MUST MAINTAIN VENDOR RECEIPTS SHOWING THAT THE SULFUR CONTENT OF THE FUEL OIL PURCHASED MEETS THIS REQUIREMENT, AND RECORDS OF THE FUEL ANALYSES FOR BOILERS 6 AND 7.

Work Practice Type: PARAMETER OF PROCESS MATERIAL



New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

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

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 1.5% percent by weight

Reference Test Method: VENDOR RECEIPTS

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 87: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B20

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall operate Boiler 2 (B2O) such that it exhibits less than or equal to 20% opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance may be determined by conducting observations in accordance with EPA Method 9 and/or considering any other credible evidence, including continuous opacity monitoring data.

The owner or operator shall:

- 1) Observe the stack for this boiler, when operating, at least once per day for visible emissions. This observation 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: the weather condition and whether a plume was observed.



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

3) If the owner or operator observes any visible emissions (other than steam - see below) two consecutive days firing oil, then the opacity must be determined using EPA Method 9, based on a six minute average, within two business days of such occurrence. The result 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 exceeded. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

****NOTE**** Condensed water vapor 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 the stack. Condensed water plumes are white in color and have a billowy consistency and 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.

In lieu of observing the stack each operating day, the owner or operator may elect to monitor emissions using a continuous emission monitor, located either in the stack or in the breeching of Boiler 2.

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 88: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02
Process: B20

New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



Item 88.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EMISSION TESTING HAS SHOWN THAT BOILER 2
MUST OPERATE AT GREATER THAN 25%
OPERATING LOAD, CORRESPONDING TO
17,500LB/HR STEAM (FULL RATED LOAD IS
70,000 LB/HR STEAM). MONITORING AND
RECORDING OF STEAM OUTPUT WILL BE USED TO
DEMONSTRATE COMPLIANCE W/ THIS LIMIT.

Parameter Monitored: STEAM USAGE

Lower Limit of Monitoring: 17500 pounds per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 89: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B20

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BOILER 2 IS A LARGE BOILER SUBJECT TO
PART 227-2.4(b)(1). THE NOX RACT LIMIT
FOR BOILER 2(PROCESS B2O) IS 0.30
LB/MMBTU. COMPLIANCE SHALL BE
DETERMINED BY A STACK TEST CONDUCTED AT
LEAST ONCE PER PERMIT TERM AND
ADDITIONALLY AT THE REQUEST OF THE



New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

DEPARTMENT.

Upper Limit of Monitoring: 0.3 pounds per million Btus
Reference Test Method: PART60,APP A, METH7E
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 90: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02
Process: B20

Regulated Contaminant:
CAS No: 0NY075-00-0
Name: PARTICULATES

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Pursuant to Section 110 of the Federal Clean Air Act, the EPA approved, as part of New York's State Implementation Plan, a regulation for the control of particulate matter. The Department has since revised this rule, changing the applicability criteria and the numerical limits. The revisions, however, have not been approved by the EPA. This condition requires compliance with the rule as it is contained in the federally-approved SIP.

No person shall cause, permit or allow a two hour average emission into the outdoor atmosphere of particulates in excess of 0.10 pound per million Btu heat input from any oil fired stationary combustion installation. Upon written application, the commissioner may exempt a person from the provisions of this section, when in view of the properties of the emissions, isolated conditions, stack height and other factors, it is clearly demonstrated that the emissions thus permitted will not cause a contravention of established ambient air quality

New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

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standards.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 91: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP03

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BOILER 5 IS A LARGE BOILER SUBJECT TO 6
NYCRR 227-2.4(b)(1). THE NOX RACT LIMIT
FOR BOILER 5 IS 0.20 LB/MMBTU.

COMPLIANCE SHALL BE DETERMINED BY A STACK
TEST CONDUCTED AT LEAST ONCE PER PERMIT
TERM AND ADDITIONALLY AT THE REQUEST OF
THE DEPARTMENT.

Upper Limit of Monitoring: 0.2 pounds per million Btus

Reference Test Method: PART60,APP A, METH7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 92: Compliance Certification
Effective between the dates of 02/23/2001 and 02/23/2006

New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



Applicable Federal Requirement: 6NYCRR 257-1.4

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP03

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 92.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EMISSIONS FROM THIS SOURCE ARE SUBJECT
TO 6 NYCRR 200.6 AND 6 NYCRR
257-1.4.

THESE RULES PROVIDE THAT 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.

IN ORDER TO MAINTAIN COMPLIANCE WITH THE
OXIDES OF NITROGEN AMBIENT STANDARD, THE
OPERATING HOURS OF BOILER 5 ARE LIMITED
TO 2,160 HOURS FOR EACH ROLLING 12 MONTH
PERIOD. THE OWNER OR OPERATOR SHALL
SUBMIT TO THE DEPARTMENT REPORTS ON A
CALENDAR YEAR BASIS.

Upper Limit of Monitoring: 2160 hours

Monitoring Frequency: HOURLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR YEAR)

Reports due by January 30th for previous calendar year



New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Condition 93: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP04

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Item 93.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

THE DIESEL GENERATOR CAN NOT BURN FUEL OIL WITH A SULFUR CONTENT GREATER THAN 1.5% BY WT. THIS GENERATOR ONLY BURNS DIESEL FUEL, WHICH BY DEFINITION IS LESS THAN 0.5% SULFUR BY WT. (ASTM D975).

CORNELL MUST MAINTAIN VENDOR RECEIPTS SHOWING THAT THE FUEL OIL MEETS THE ASTM SPECIFICATIONS FOR DIESEL FUEL OIL.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 1.5 percent by weight

Reference Test Method: VENDOR RECEIPTS

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 94: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 94.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



Emission Unit: 1-CHP04

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE DIESEL GENERATOR SHALL NOT OPERATE MORE THAN 3500 HR/YR (DETERMINED ON A 12 MONTH ROLLING BASIS), OF WHICH NOT MORE THAN 500 HOURS SHALL BE EMERGENCY USE. THE FACILITY SHALL RECORD THE HOURS OF OPERATION OF THE DIESEL GENERATOR.

0 Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 95: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP04

Process: G1P

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THIS DIESEL GENERATOR, DURING NON-EMERGENCY USE, IS SUBJECT TO 6 NYCRR 227-2.4(f)(2)(ii). THE NOX RACT LIMIT FOR THE DIESEL GENERATOR IS 9.0 G/BHP-HR. COMPLIANCE WILL BE DETERMINED USING A STACK TEST CONDUCTED AT LEAST ONCE PER PERMIT TERM, AND ADDITIONALLY UPON REQUEST FROM THE DEPARTMENT.

Upper Limit of Monitoring: 9 grams per brake horsepower-hour



New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Reference Test Method: PART60,APP A, METH7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 96: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP04

Process: G1P

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE DIESEL GENERATOR IS PROHIBITED FROM
OPERATING BELOW 650 KW DURING PERIODS OF
NON-EMERGENCY GENERATION. THE FACILITY
SHALL RECORD THE OPERATING LOADS OF
DIESEL GENERATOR DURING PERIODS OF
NON-EMERGENCY USE.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 97: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP04 Emission Point: 00004

Item 97.2:

Compliance Certification shall include the following monitoring:

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



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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



STATE ONLY ENFORCEABLE CONDITIONS

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

Condition 98: General Provisions

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable State Requirement: 6NYCRR 201-5.

Item 98.1:

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 98.2:

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 98.3:

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 99: Contaminant List

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 99.1:

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

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN



New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Condition 100: Air pollution prohibited

Effective between the dates of 02/23/2001 and 02/23/2006

Applicable State Requirement: 6NYCRR 211.2

Item 100.1:

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

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

Condition 101: Compliance Certification

Effective between the dates of 02/23/2001 and 02/23/2006

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

Item 101.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02
Process: B20

Regulated Contaminant:
CAS No: 0NY075-00-0
Name: PARTICULATES

Item 101.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE OWNER OR OPERATOR SHALL NOT CAUSE OR ALLOW AN EMISSION INTO THE OUTDOOR ATMOSPHERE OF PARTICULATES IN EXCESS OF 0.20 LB/MMBTU FOR BOILER 2 WHEN FIRING OIL (PROCESS B20). COMPLIANCE SHALL BE DETERMINED USING STACK TESTING ACCORDING TO METHODS FOUND AT 40 CFR PART 60 APPENDIX A UPON REQUEST FROM THE DEPARTMENT.

Upper Limit of Monitoring: 0.2 pounds per million Btus



New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Reference Test Method: PART60,APP A, METH 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY