

New York State Department of Environmental Conservation
Facility DEC ID: 4384400008



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Title V Facility Permit
Permit ID: 4-3844-00008/00006
Effective Date: 09/20/2000 Expiration Date: 09/20/2005

Permit Issued To: TRANSCANADA POWER CASTETON LLC
1902 RIVER ROAD
CASTLETON ON HUDSON, NY 12033

Contact: DANIEL J. CALLAGHAN
1902 RIVER ROAD
CASTLETON ON HUDSON, NY 12033
(518) 732-0031

Facility: TRANSCANADA POWER CASTLETON
1902 RIVER RD RT 9J
CASTLETON-ON-HUDSON, NY 12033

Contact: DANIEL J. CALLAGHAN
1902 RIVER ROAD
CASTLETON ON HUDSON, NY 12033
(518) 732-0031

Description:

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: ARTHUR N. HENNINGSON
1150 NORTH WESCOTT RD
SCHENECTADY, NY 12306-2014

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

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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 4
HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Item 2.1:

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

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

Item 3.1:

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

Item 3.2:

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

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

Item 4.1:

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

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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 4 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 4 Headquarters
Division of Environmental Permits
1150 North Wescott Rd.
Schenectady, NY 12306-2014
(518) 357-2068



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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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Contact: DANIEL J. CALLAGHAN
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CASTLETON ON HUDSON, NY 12033
(518) 732-0031

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

Permit Effective Date: 09/20/2000

Permit Expiration Date: 09/20/2005



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FEDERALLY ENFORCEABLE CONDITIONS

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

Condition 1: Definitions Applicable To This Permit
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 200.1

Item 1.1:

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

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

Condition 2: Sealing
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 200.5

Item 2.1:

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

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

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

Condition 3: Acceptable ambient air quality
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 200.6

Item 3.1:



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

Condition 4: Maintenance of equipment
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 200.7

Item 4.1:

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

Condition 5: Unpermitted Emission Sources
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-1.2

Item 5.1:

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

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

Condition 6: Unavoidable Noncompliance and Violations
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-1.4

Item 6.1:

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

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



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

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

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

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

Condition 7: Emergency Defense
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-1.5

Item 7.1:

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

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

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

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

(3) During the period of the emergency the facility owner and/or operator took all



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reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

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

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

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

Condition 8: Recycling and Salvage
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 8.1:

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

Condition 9: Prohibition of Reintroduction of Collected Contaminants to the Air
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 9.1:

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

Condition 10: Public Access to Recordkeeping for Title V facilities
Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 10.1:

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

Condition 11: Proof of Eligibility
Effective between the dates of 09/20/2000 and 09/20/2005

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

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Item 11.1:

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

Condition 12: Proof of Eligibility

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 12.1:

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

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

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-6.

Item 13.1:

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

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

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

Item 13.2:

Any document, including reports, required by the federally-enforceable portions of this permit shall contain a certification by the responsible official for this facility as set forth in Section 201-6.3 that based



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on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

**Condition 14: Cessation or Reduction of Permitted Activity Not a Defense
Effective between the dates of 09/20/2000 and 09/20/2005**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 14.1:

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

**Condition 15: Compliance Requirements
Effective between the dates of 09/20/2000 and 09/20/2005**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 15.1:

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

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

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

Item 15.2:

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

Item 15.3:

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



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

Condition 16: Federally-Enforceable Requirements
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-6.

Item 16.1:

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

Condition 17: Fees
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-6.

Item 17.1:

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

Condition 18: Monitoring, Related Recordkeeping and Reporting Requirements
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-6.

Item 18.1:

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

Condition 19: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-6.



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Item 19.1:

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

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

Condition 20: Permit Shield

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-6.

Item 20.1:

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

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

Condition 21: Property Rights

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-6.



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Item 21.1:

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

Condition 22: Reopening for Cause

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-6.

Item 22.1:

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

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

Item 22.2:

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

Item 22.3:

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

Condition 23: Right to Inspect

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-6.

Item 23.1:

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

- i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity



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is conducted, or where records must be kept under the conditions of the permit;

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

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

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

Condition 24: Severability

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-6.

Item 24.1:

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

Condition 25: Emissions Trading

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-6.

Item 25.1:

No permit revision is required, under any approved economic incentives, marketable permits, emission trading and other similar programs or processes for changes that are provided for in this permit.

Item 25.2:

The trading of emissions increases and decreases at this facility shall be conducted according to the approved trading plan, if applicable to this permit, and shall meet all applicable requirements including those in Part 201.

Condition 26: Emission Unit Definition

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-6.

Item 26.1:

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

Emission Unit: 1-00AUX

Emission Unit Description:

(1) JOHNSTON 2000 HP FIRE TUBE BOILER
RATED AT 95 MMBTU/HR. BOILER FIRES EITHER
NATURAL GAS OR VERY LOW SULFUR OIL.

Building(s): MAIN

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Item 26.2:

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

Emission Unit: 1-0GTDB

Emission Unit Description:

(1) GE FRAME 6 (PG6541B) GAS TURBINE/HRSG UNIT WITH SUPPLEMENTAL FIRING (DUCT BURNERS). ALL FIRE NATURAL GAS AND VERY LOW SULFUR OIL AND VENT THROUGH A SINGLE EMISSION POINT LOCATED WITHIN MAIN BLDG.

Building(s): MAIN

Condition 27: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

In the case of any emission testing performed during the previous six month reporting period, either due to a



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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 28: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

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

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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:

1150 North Westcott Road
Schenectady, NY 12306-2014

The address for the BCME is as follows:

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

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

Condition 29: Required emissions tests
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 202-1.1

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



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specified in 6NYCRR Part 202-1.

Condition 30: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

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 09/20/2000 and 09/20/2005

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: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 211.

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Item 32.2:



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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This cogeneration project may not operate when the Fort Orange Paper, Inc., power boilers are firing coal or residual oil.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: ANNUALLY (CALENDAR YEAR)

Reports due by January 30th for previous calendar year

Condition 33: Visible emissions limited.
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 211.3

Item 33.1:

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 34: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 215.

Item 34.1:

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 35: Temporary variances.
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 225-1.4

Item 35.1:

Upon application by an air contamination source owner or a fuel supplier the commissioner may issue an order granting a temporary variance from the provisions of 6 NYCRR Part 225-1 where it can be shown, to the commissioner's satisfaction, that there is an insufficient supply of conforming fuel, either:

(1) of the proper type required for use in a particular air contamination source; or

(2) generally throughout an area of the State.

Condition 36: Emission and fuel monitoring methods.
Effective between the dates of 09/20/2000 and 09/20/2005

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Applicable Federal Requirement: 6NYCRR 225-1.7

Item 36.1:

Facilities subject to Part 225-1 shall comply with the emission and fuel monitoring methods and requirements of this section 6 NYCRR 225-1.7.

Condition 37: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 225-1.8

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 38: Corrective action.

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 38.1:

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

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

Condition 39: Corrective action.



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Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 39.1:

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

Condition 40: Corrective action.

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 40.1:

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

Condition 41: Corrective action.

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 41.1:

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

Condition 42: Emissions data requirements.

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 227-1.7(b)

Item 42.1:

Sampling, compositing, and analysis of fuel samples shall be conducted in accordance with methods acceptable to the commissioner.

Condition 43: Compliance plans and deadlines.

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 227-2.3

Item 43.1:

All existing combustion installations at major stationary sources of NO_x subject to Subpart 227-2 shall by March 15, 1994 identify measures necessary to achieve compliance with Subpart 227-2.

Requirements contained in an permit(s) to construct or certificates to operate in effect which are more restrictive than those contained in this Subpart, or which impose additional requirements beyond those contained in this Subpart, will remain in effect. Small boilers are not subject to this section. Any owner or operator of a facility subject to this section must submit to the Department an operating plan acceptable to the Department (items to be included at a minimum are listed in 227- 2.3g).

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Condition 44: Facility Permissible Emissions
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 44.1:

The sum of emissions from the emission units specified in this permit shall not exceed the following Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 007446-09-5 PTE: 474,000 pounds per year
Name: SULFUR DIOXIDE

Condition 45: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 45.1:

The Compliance Certification activity will be performed for the Facility.

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ALL RECORDS REQUIRED BY THIS PERMIT
SHALL BE KEPT ON-SITE AT THE FACILITY FOR
THE FIVE MOST RECENT YEARS, AND UPON
REQUEST, MUST BE MADE AVAILABLE FOR
REVIEW BY A NYSDEC REPRESENTATIVE.

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 46: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 46.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

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

Item 46.2:



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Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Total fuel use is limited to the amounts shown calculated on a rolling average basis.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NUMBER 2 OIL

Upper Limit of Monitoring: 6,653,000 gallons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 47: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 47.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Item 47.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The sulfur content of the fuel used in the gas turbine and duct burner shall not exceed the limit shown on a percent by weight basis.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 0.5 percent by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY



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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 48: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 48.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Item 48.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Hours of fuel oil operation is limited to the amount shown and calculated on a rolling average basis.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NUMBER 2 OIL

Upper Limit of Monitoring: 1560 hours

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 49: Minimum requirements.

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21(j)(1), Subpart A

Item 49.1:

The affected facility shall, at a minimum, meet each applicable emission limitation under the State Implementation Plan and each applicable emissions standard and standard of performance under Parts 40 CFR 60 and 61.

Condition 50: EPA Region 2 address.

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Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 50.1:

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

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

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

NYSDEC
Bureau of Enforcement and Compliance Assurance
50 Wolf Road
Albany, NY 12233-3254

**Condition 51: Date of construction notification.
Effective between the dates of 09/20/2000 and 09/20/2005**

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

Item 51.1:

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

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



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commences, post marked not less than 30 days prior to such date;

6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date; and

7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, post marked not less than 30 days prior to the performance test.

Condition 52: Performance testing timeline.

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.8(a), NSPS Subpart A

Item 52.1:

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

Condition 53: Opacity standard compliance testing.

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.11, NSPS Subpart A

Item 53.1:

The following conditions shall be used to determine compliance with the opacity standards:

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A or this Part 40 CFR 60(or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

Condition 54: Monitoring requirements.

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 54.1:

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

Condition 55: Modifications.

Effective between the dates of 09/20/2000 and 09/20/2005



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Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A

Item 55.1:

Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

Condition 56: Reconstruction

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.15, NSPS Subpart A

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Item 56.1:

The following shall be submitted to the Administrator prior to reconstruction (as defined in section 60.15):

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

Condition 57: Recycling and Emissions Reduction

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 57.1:

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



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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.

Condition 58: Class I/II recycling and emission reduction - required practices

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 82.156, Subpart F

Item 58.1:

Facilities disposing of appliances, except for small appliances and mechanical vapor compression open vapor compression appliances, must comply with the provisions of this section.

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

Condition 59: Emission Point Definition By Emission Unit

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 201-6.

Item 59.1:

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

Emission Unit: 1-00AUX

Emission Point: 00005

Height (ft.): 85

Diameter (in.): 40

Item 59.2:

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

Emission Unit: 1-0GTDB

Emission Point: 00001

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Height (ft.): 145

Diameter (in.): 144

**Condition 60: Process Definition By Emission Unit
Effective between the dates of 09/20/2000 and 09/20/2005**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 60.1:

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

Emission Unit: 1-00AUX

Process: AXX

Source Classification Code: 1-01-006-01

Process Description:

AUXILIARY BOILER FIRING EITHER NATURAL GAS
OR VERY LOW SULFUR OIL.

Emission Source/Control: 00AUX - Combustion

Design Capacity: 95 million Btu per hour

Item 60.2:

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

Emission Unit: 1-0GTDB

Process: GTB

Source Classification Code: 2-02-002-03

Process Description:

GE FRAME 6 GAS TURBINE/HRSG UNIT WITH
SUPPLEMENTAL FIRING OF DUCT BURNER. BOTH
UNITS FIRE EITHER NATURAL GAS OR VERY LOW
SULFUR OIL. GAS TURBINE MAY FIRE MIX OF
NATURAL GAS AND VERY LOW SULFUR OIL.

Emission Source/Control: 00001 - Combustion

Design Capacity: 487.2 million Btu per hour

Emission Source/Control: 00005 - Combustion

Design Capacity: 125 million Btu per hour

Item 60.3:

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

Emission Unit: 1-0GTDB

Process: GTO

Source Classification Code: 2-02-002-03

Process Description:

GE FRAME 6 GAS TURBINE/HRSG UNIT WITH NO
SUPPLEMENTAL FIRING OF DUCT BURNER. FUEL
USED IS NATURAL GAS OR VERY LOW SULFUR OIL
OR A COMBINATION.



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Emission Source/Control: 00001 - Combustion

Design Capacity: 487.2 million Btu per hour

Item 60.4:

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

Emission Unit: 1-0GTDB

Process: ODB

Source Classification Code: 1-01-006-01

Process Description:

FIRING OF DUCT BURNERS WITH EITHER NATURAL
GAS OR VERY LOW SULFUR OIL.

Emission Source/Control: 00005 - Combustion

Design Capacity: 125 million Btu per hour

Condition 61: Process Permissible Emissions

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 61.1:

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

Emission Unit: 1-0GTDB

Process: GTB

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 57.4 pounds per hour
374,000 pounds per year

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 16 pounds per hour
140,160 pounds per year

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 42 parts per million by volume (dry, corrected to 15% O₂)
66.5 pounds per hour
494,000 pounds per year

Condition 62: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

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

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Facility DEC ID: 4384400008



Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 0.1 pounds per million Btus

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 63: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT



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Upper Limit of Monitoring: 0.50 percent by weight

Monitoring Frequency: PER DELIVERY

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 64: Exemption from the averaging period.

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 64.1:

This Condition applies to Emission Unit: 1-00AUX

Item 64.2:

Compliance with emission limits and/or fuel oil sulfur limitations shall be based on a certification from the fuel supplier as stated in paragraph 40 CFR 60-Dc.48c(f)(1), (2), or (3) as applicable.

Condition 65: Enforceability.

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 65.1:

This Condition applies to Emission Unit: 1-00AUX

Item 65.2:

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

Condition 66: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Item 66.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

THE FACILITY OWNER AND/OR OPERATOR MUST
DEMONSTRATE COMPLIANCE WITH THE

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REQUIREMENTS OF 40 CFR 60.42c(h).
FACILITIES DEMONSTRATING COMPLIANCE USING
THE FUEL SUPPLIER CERTIFICATION, FOR
SULFUR-IN-FUEL LIMITATIONS (BASED ON A
PERCENT BY WEIGHT OF SULFUR IN THE FUEL),
SHALL SUBMIT THE CERTIFICATION IN
ACCORDANCE WITH THE PROVISIONS OF 40 CFR
60.48c(f)(1), (2), AND (3), AS
APPLICABLE.

Parameter Monitored: SULFUR CONTENT
Upper Limit of Monitoring: 0.5 percent by weight
Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 67: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Item 67.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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



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Facility DEC ID: 4384400008

Parameter Monitored: SULFUR CONTENT

Lower Limit of Monitoring: 0.0 percent by weight

Upper Limit of Monitoring: 0.50 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)

Initial Report Due: 04/18/2001 for the period 09/20/2000 through 03/19/2001

Condition 68: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



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Condition 69: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 70: Fuel sulfur content monitoring requirements.

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.334(b)(1), NSPS Subpart GG

Item 70.1:

This Condition applies to Emission Unit: 1-00AUX

Item 70.2:

Gas turbines who are supplied fuel from a bulk storage tank shall determine the sulfur content of their fuel every time fuel is transferred to the storage tank from another source.

Condition 71: Standard for opacity.

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 71.1:

This Condition applies to Emission Unit: 1-00AUX

Process: AXX



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Item 71.2: arNo facility shall exceed 20% opacity except for one 6 minute period (per hour) of 27% opacity.

Condition 72: Enforceability of particulate matter and opacity standards.

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 72.1:

This Condition applies to Emission Unit: 1-00AUX
Process: AXX

Item 72.2:

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

Condition 73: Alternative compliance methods for sulfur dioxide.

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 73.1:

This Condition applies to Emission Unit: 1-00AUX
Process: AXX

Item 73.2:

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

Condition 74: Alternative compliance methods for sulfur dioxide.

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 74.1:

This Condition applies to Emission Unit: 1-00AUX
Process: AXX

Item 74.2:

Facilities demonstrating compliance through vender certification shall follow the compliance procedures listed in paragraphs 40 CFR 60-Dc.48c(f)(1), (2), or (3), as applicable.

Condition 75: Compliance methods for particulate matter.

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.45c, NSPS Subpart Dc

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Item 75.1:

This Condition applies to Emission Unit: 1-00AUX
Process: AXX

Item 75.2:

The facility shall conduct compliance testing for particulate matter by the methods listed in this section 40 CFR 60-Dc.45c.

**Condition 76: Alternative sulfur dioxide monitoring requirements.
Effective between the dates of 09/20/2000 and 09/20/2005**

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

Item 76.1:

This Condition applies to Emission Unit: 1-00AUX
Process: AXX

Item 76.2:

A facility may determine the average sulfur dioxide emission rate through fuel sampling prior to combustion, in accordance with this subdivision 40 CFR 60-Dc.46c(d).

**Condition 77: Fuel sampling.
Effective between the dates of 09/20/2000 and 09/20/2005**

Applicable Federal Requirement: 6NYCRR 227-1.7(a)

Item 77.1:

This Condition applies to Emission Unit: 1-00AUX Emission Point: 00005

Item 77.2:

Any stationary combustion installation described in section 6 NYCRR 227-1.2 of this Part, shall provide pertinent emissions data upon the commissioner's request.

**Condition 78: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005**

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

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

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Permit ID: 4-3844-00008/00006

Facility DEC ID: 4384400008



Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner/operator of a mid-sized boiler shall meet the limits herein when firing natural gas.

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 0.10 pounds per million Btus

Reference Test Method: EPA METHOD 20

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 79: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner/operator of a mid-sized boiler shall meet the limits herein when firing #2 oil.

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 0.12 pounds per million Btus

Reference Test Method: EPA METHOD 20

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 80: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 227-1.3



Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005
Process: AXX

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

- weather condition
- was a plume observed?

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

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

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

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

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 81: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005

Process: AXX Emission Source: 00AUX

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Item 81.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Allowable fuel is limited to natural gas and, #2 fuel oil
with a sulfur in fuel content not to exceed 0.5%

Monitoring Frequency: DAILY

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 82: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

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Facility DEC ID: 4384400008



Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005
Process: AXX Emission Source: 00AUX

Regulated Contaminant:
CAS No: 000630-08-0
Name: CARBON MONOXIDE

Item 82.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Emissions of carbon monoxide from the auxiliary boiler
shall not exceed the limits herein when firing natural
gas.

Parameter Monitored: CARBON MONOXIDE
Upper Limit of Monitoring: 14.3 pounds per hour
Reference Test Method: EPA METHOD 10
Monitoring Frequency: UPON PERMIT RENEWAL
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 83: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005
Process: AXX Emission Source: 00AUX

Regulated Contaminant:
CAS No: 000630-08-0
Name: CARBON MONOXIDE

Item 83.2:

Compliance Certification shall include the following monitoring:



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Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of carbon monoxide from the auxiliary boiler shall not exceed the limits herein when firing natural gas.

Parameter Monitored: CARBON MONOXIDE

Upper Limit of Monitoring: 0.15 pounds per million Btus

Reference Test Method: EPA METHOD 10

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 84: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00AUX Emission Point: 00005

Process: AXX Emission Source: 00AUX

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

Item 84.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of carbon monoxide from the auxiliary boiler shall not the limits herein when firing #2 oil.

Parameter Monitored: CARBON MONOXIDE

Upper Limit of Monitoring: 15.2 pounds per hour

Reference Test Method: EPA METHOD 10

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 85: Applicability of this Subpart to this emission source

Effective between the dates of 09/20/2000 and 09/20/2005



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Applicable Federal Requirement: 40CFR 60.40c, NSPS Subpart Dc

Item 85.1:

This Condition applies to Emission Unit: 1-00AUX Emission Point: 00005
Process: AXX Emission Source: 00AUX

Item 85.2:

This emission source is subject to the applicable General Provisions of 40 CFR 60 Subpart Dc. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

Condition 86: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB

Item 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Stack opacity shall not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this standard may be determined by EPA Reference Method 9, Continuous Opacity Monitoring System (COMS) data, and/or any other credible evidence. The owner shall install, operate in accordance with manufacturer's instructions, and properly maintain, a COMS in the stack satisfying the criteria in Appendix B of 40 CFR part 60.

The owner shall submit an accurate excess emissions and monitoring system performance report to the Department for each calendar year 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 year quarter. The quarterly excess emissions report shall be submitted in a form acceptable to the Department and shall include the following minimum information:

(1) The magnitude, date and time of each six minute block average during which the average opacity of emissions

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exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;

(2) For each period of excess emissions, 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 exceedences and the duration of exceedences expressed as a percentage of the total time which the COMS are required to record data.

Parameter Monitored: OPACITY

Lower Limit of Monitoring: 0.0 percent

Upper Limit of Monitoring: 20 percent

Reference Test Method: 40 CFR 60 APP B RM 9

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

Reports due 60 days after each calendar quarter (January - March, April - June,

0July - September, October - December)

**Condition 87: Compliance methods for sulfur dioxide.
Effective between the dates of 09/20/2000 and 09/20/2005**

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

Item 87.1:

This Condition applies to Emission Unit: 1-0GTDB

Item 87.2:

Performance tests required under section 60.8 for sulfur dioxide emissions shall be conducted in accordance with paragraphs 40 CFR 60-Dc.44c(b), (c), (d), (e), (f), (i), and (j) of this section.

**Condition 88: Fuel sulfur content monitoring requirements.
Effective between the dates of 09/20/2000 and 09/20/2005**

Applicable Federal Requirement: 40CFR 60.334(b)(1), NSPS Subpart GG

Item 88.1:



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This Condition applies to Emission Unit: 1-0GTDB

Item 88.2:

Gas turbines who are supplied fuel from a bulk storage tank shall determine the sulfur content of their fuel every time fuel is transferred to the storage tank from another source.

Condition 89: Standard for nitrogen oxides.

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.332(a)(1), NSPS Subpart GG

Item 89.1:

This Condition applies to Emission Unit: 1-0GTDB
Process: GTB

Item 89.2:

$$STD = 0.0075 * [(14.4) / Y] + F$$

Where: STD = allowable nitrogen oxide emissions in percent by volume at 15% excess oxygen on a dry basis,

Y = manufacture's rated heat rate at manufacture's rated load (kilojoules per watt hour) or the actual measured heat rate based on the lower heating value of the fuel as measured at actual peak load of the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour,

F = nitrogen oxide emission allowance for fuel bound nitrogen:

Fuel bound nitrogen (% by weight)	F (NOx % by volume)
N <= 0.015	0
0.015 < N <= 0.1	0.04(N)
0.1 < N <= 0.25	0.004 + 0.0067(N-0.1)
N > 0.25	0.005

Condition 90: Sulfur dioxide standard.

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.333, NSPS Subpart GG

Item 90.1:

This Condition applies to Emission Unit: 1-0GTDB
Process: GTB

Item 90.2:

No gas turbine shall emit sulfur dioxide in excess of 0.015 percent by volume at 15 percent oxygen on a dry basis.

Condition 91: Sulfur in fuel standard.



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Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.333, NSPS Subpart GG

Item 91.1:

This Condition applies to Emission Unit: 1-0GTDB
Process: GTB

Item 91.2:

No gas turbine shall fire a fuel with more than 0.80% sulfur content.

Condition 92: Fuel and water monitoring requirements.

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.334(a), NSPS Subpart GG

Item 92.1:

This Condition applies to Emission Unit: 1-0GTDB
Process: GTB

Item 92.2:

Any gas turbine which employs water injection to control nitrogen oxides shall install monitors for fuel and water consumption and for the fuel to water ratio in the turbine. This monitoring data shall be accurate to within + or - 5%.

Condition 93: Monitoring requirements.

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.334(b), NSPS Subpart GG

Item 93.1:

This Condition applies to Emission Unit: 1-0GTDB
Process: GTB

Item 93.2:

The applicant shall determine the sulfur and nitrogen content of the fuels being fired in the gas turbine.

Condition 94: Excess emissions reporting requirements.

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.334(c), NSPS Subpart GG

Item 94.1:

This Condition applies to Emission Unit: 1-0GTDB
Process: GTB

Item 94.2:

Excess emissions of NO_x, SO₂, ice fog, and emergency fuel use shall be reported quarterly as per the

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requirements of section 60.7 of this Part.

Condition 95: Compliance testing requirements.
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.335, NSPS Subpart GG

Item 95.1:

This Condition applies to Emission Unit: 1-0GTDB
Process: GTB

Item 95.2:

Compliance testing for NO_x and SO₂ shall be conducted in accordance with Appendix A and section 40 CFR 60-A.8 of this Part. All emissions testing shall be accurate within + or - 5%.

Condition 96: Demonstration criteria for low sulfur oil.
Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 96.1:

This Condition applies to Emission Unit: 1-0GTDB
Process: ODB

Item 96.2:

Affected facilities which fire very low sulfur oil shall demonstrate that the oil meets the definition of very low sulfur oil by:

1) Following the performance testing procedures in subdivision 60.45b(c) or subdivision 60.45b(d) and following monitoring procedures in subdivision 60.47b(a) or in subdivision 60.47b(b) to determine SO₂ emission rate or fuel oil sulfur content; or

2) Maintaining fuel receipts as described in subdivision 60.49b(r).

Condition 97: Particulate matter and opacity exemption.
Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 97.1:

This Condition applies to Emission Unit: 1-0GTDB
Process: ODB

Item 97.2:

The particulate matter and opacity standards shall apply at all times, except during periods of startup, shutdown, or malfunction.



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Condition 98: Standard for oxides of nitrogen.
Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 98.1:

This Condition applies to Emission Unit: 1-0GTDB
Process: ODB

Item 98.2:

$$E_n = [EL_{go} * H_{go}] + (EL_{ro} * H_{ro}) + (EL_c * H_c) / (H_{go} + H_{ro} + H_c).$$

The units for all of the following factors are in lb/mmBtu and provided under 40 CFR 60.44b(a).

Where: E_n = Oxides of nitrogen emissions standard.

EL_{go} = Emission limit for natural gas and/or distillate oil firing.

EL_{ro} = Emission limit for residual oil firing.

EL_c = Emission limit for coal firing.

H_{go} = Heat input from natural gas and/or distillate oil.

H_{ro} = Heat input from residual oil.

H_c = Heat input from coal.

Condition 99: Applicability of oxides of nitrogen standard.
Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 99.1:

This Condition applies to Emission Unit: 1-0GTDB
Process: ODB

Item 99.2:

The emissions standard for oxides of nitrogen shall apply at all times including periods of startup, shutdown, and malfunction.

Condition 100: Performance test compliance.
Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 100.1:



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This Condition applies to Emission Unit: 1-0GTDB
Process: ODB

Item 100.2:

Compliance with the initial performance test for nitrogen oxide shall be based on a 24 hour average, subsequent performance tests will be based on a 3 hour average.

Condition 101: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.45b(j), NSPS Subpart Db

Item 101.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB
Process: ODB

Item 101.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility that combusts very low sulfur oil is not subject to the compliance and performance testing requirements of this section if the owner or operator obtains fuel receipts as described in §60.49b(r).

Monitoring Frequency: PER DELIVERY

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 102: Alternative sulfur dioxide monitoring method.

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.47b(f), NSPS Subpart Db

Item 102.1:

This Condition applies to Emission Unit: 1-0GTDB
Process: ODB

Item 102.2:

Facilities which combust very low sulfur oil are not subject to the requirements of section 40 CFR 60-Db.47b if fuel receipts are obtained in accordance with subdivision 40 CFR 60-Db.49b(r).



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Condition 103: Oxides of nitrogen monitoring requirements.
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.48b(b), NSPS Subpart Db

Item 103.1:

This Condition applies to Emission Unit: 1-0GTDB
Process: ODB

Item 103.2:

Facilities subject to section 40 CFR 60-Db.44b shall install, calibrate, maintain, operate, and record the output from an oxides of nitrogen CEM.

Condition 104: Recordkeeping and reporting requirements.
Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 104.1:

This Condition applies to Emission Unit: 1-0GTDB
Process: ODB

arItem 104.2:

The affected facilities is subject to the record keeping and reporting requirements of this section 40 CFR 60-Db.49b.

Condition 105: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 225-1.7(b)(2)

Item 105.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Item 105.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

CONSISTENT WITH 6 NYCRR 225-1.7(B)(2)

MAINTAIN RECORDS OF FUEL OIL SULFUR

CONTENT IN LIEU OF CONTINUOUS

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MONITORING.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

Condition 106: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



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Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 107: Multiple fuels particulate matter emission rate.
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 227-1.5

Item 107.1:

This Condition applies to Emission Unit: 1-0GTDB Emission Point: 00001

Item 107.2:

When two or more different fuels are burned simultaneously in a single furnace of a stationary combustion installation, the permissible emission rate for a contaminant shall be the sum of the permissible emission rates of the contaminant for each fuel multiplied by the heat derived from such fuel.

Condition 108: Fuel sampling.
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 6NYCRR 227-1.7(a)

Item 108.1:

This Condition applies to Emission Unit: 1-0GTDB Emission Point: 00001

Item 108.2:

Any stationary combustion installation described in section 6 NYCRR 227-1.2 of this Part, shall provide pertinent emissions data upon the commissioner's request.

Condition 109: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 60.334, NSPS Subpart GG

Item 109.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001

Item 109.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The turbine monitoring requirements of this part shall be
shall be complied with unless a custom schedule is



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developed and approved by USEPA which allows for less frequent monitoring. These requirements include continuous monitoring of fuel consumption and water injection rates as well as periodic measurement of fuel sulfur and fuel nitrogen.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 110: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001

Process: GTB

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

Item 110.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Compliance with the the particulate standard was demonstrated using the manufactures specifications and initial performance tests firing #2 oil or kerosene.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 111: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005



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Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 111.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001
Process: GTB

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

Item 111.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Compliance with the particulate standard was demonstrated
using the manufactures specifications and initial
performance tests firing natural gas.

Parameter Monitored: PARTICULATES
Upper Limit of Monitoring: 0.01 pounds per million Btus
Reference Test Method: EPA Method 5
Monitoring Frequency: UPON PERMIT RENEWAL
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 112: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 112.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001
Process: GTB

Regulated Contaminant:
CAS No: 0NY998-00-0
Name: VOC

Item 112.2:

Compliance Certification shall include the following monitoring:

Capping: Yes



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Facility DEC ID: 4384400008

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Compliance with the Non-methane Hydrocarbon emission limit was demonstrated using the manufactures specifications and initial performance tests.

Parameter Monitored: VOC

Upper Limit of Monitoring: 0.01 pounds per million Btus

Reference Test Method: As required

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 113: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 113.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001

Process: GTB

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

Item 113.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Continuous emission monitoring of Carbon Monoxide is required.

Parameter Monitored: CARBON MONOXIDE

Upper Limit of Monitoring: 0.10 pounds per million Btus

Reference Test Method: 40 CFR 60 APP A,B,F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 114: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

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Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 114.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001
Process: GTB

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

Item 114.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
Compliance with the nitrogen oxide emission limit when
the gas turbine is firing natural gas and duct burners
firing oil will be demonstrated using a continuous emission
monitor.

Parameter Monitored: OXIDES OF NITROGEN
Upper Limit of Monitoring: 25 parts per million by volume (dry,
corrected to 15% O₂)
Reference Test Method: 40 CFR 60 APP A,B,F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR YEAR)
Reports due 30 days after each calendar quarter (January - March, April - June,
July - September, October - December)

Condition 115: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 115.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001
Process: GTB

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

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Item 115.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Compliance with the nitrogen oxide emission limit, both units firing natural gas only will be demonstrated using a continuous emission monitor.

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 25 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: 40 CFR 60 APP A,B,F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 116: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001

Process: GTB

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 116.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Compliance with the nitrogen oxide emission limit, both units firing #2 oil or kerosene only will be demonstrated using a continuous emission monitor.

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 42 parts per million by volume (dry,



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corrected to 15% O₂)

Reference Test Method: 40 CFR 60 APP A,B,F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 117: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 117.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001

Process: GTB

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

Item 117.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Continuous emission monitoring of Carbon Monoxide is
required.

Parameter Monitored: CARBON MONOXIDE

Upper Limit of Monitoring: 51 pounds per hour

Reference Test Method: 40 CFR 60 APP A,B,F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 118: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 118.1:

The Compliance Certification activity will be performed for:

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Emission Unit: 1-0GTDB Emission Point: 00001
Process: GTO

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

Item 118.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
Compliance with the nitrogen oxide emission limit, gas turbine firing natural gas will be demonstrated using a continuous emission monitor.

Parameter Monitored: OXIDES OF NITROGEN
Upper Limit of Monitoring: 25 parts per million by volume (dry, corrected to 15% O₂)
Reference Test Method: 40 CFR 60 APP A,B,F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR YEAR)
Reports due 30 days after each calendar quarter (January - March, April - June, July - September, October - December)

Condition 119: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 119.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001
Process: GTO

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

Item 119.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)



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Monitoring Description:

Compliance with the nitrogen oxide emission limit, gas turbine firing #2 oil or kerosene will be demonstrated using a continuous emission monitor.

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 42 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: 40 CFR 60 APP A,B,F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 120: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 120.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001
Process: ODB

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 120.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This limit applies only to the duct burner firing natural gas. Compliance with this limit was demonstrated during the initial performance test. The initial test report was submitted to NYSDEC following the completion of the performance test.

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 0.10 pounds per million Btus

Reference Test Method: 40 CFR 60 Method 7

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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Condition 121: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 121.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001
Process: ODB

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

Item 121.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
This limit applies to the duct burner firing #2 oil.
Compliance with this limit was demonstrated during the
initial performance test. The initial test report was
submitted to NYSDEC following the completion of the
performance test.

Parameter Monitored: OXIDES OF NITROGEN
Upper Limit of Monitoring: 0.12 pounds per million Btus
Reference Test Method: 40 CFR 60 Method 7
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 122: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 122.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001
Process: ODB

Regulated Contaminant:
CAS No: 000630-08-0

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Name: CARBON MONOXIDE

Item 122.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Continuous Emission Monitoring of Carbon Monoxide is required. Emissions of CO shall not exceed the limits listed herein when firing natural gas.

Parameter Monitored: CARBON MONOXIDE

Upper Limit of Monitoring: 0.08 pounds per million Btus

Reference Test Method: 40 CFR 60 APP A,B,F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 123: Compliance Certification

ab Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001

Process: ODB

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

Item 123.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Continuous Emission Monitoring of Carbon Monoxide is required. Emissions of CO shall not exceed the limits listed herein when firing #2 oil.

Parameter Monitored: CARBON MONOXIDE

Upper Limit of Monitoring: 0.16 pounds per million Btus



New York State Department of Environmental Conservation

Permit ID: 4-3844-00008/00006

Facility DEC ID: 4384400008

Reference Test Method: 40 CFR 60 APP A,B,F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 124: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 124.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001

Process: ODB

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Item 124.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This limit applies to the duct burner firing natural gas.

Compliance with this limit was demonstrated during the
initial performance test. The initial test report was
submitted to NYSDEC following the completion of the
performance test.

Parameter Monitored: OXIDES OF NITROGEN

Upper Limit of Monitoring: 15.5 pounds per hour

Reference Test Method: 40 CFR 60 Method 7

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 125: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 125.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 4-3844-00008/00006

Facility DEC ID: 4384400008



Emission Unit: 1-0GTDB Emission Point: 00001
Process: ODB

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

Item 125.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This limit applies to the duct burner firing #2 oil.
Compliance with this limit was demonstrated during the
initial performance test. The initial test report was
submitted to NYSDEC following the completion of the
performance test.

Parameter Monitored: OXIDES OF NITROGEN
Upper Limit of Monitoring: 18.6 pounds per hour
Reference Test Method: 40 CFR 60 Method 7
Monitoring Frequency: UPON PERMIT RENEWAL
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 126: Compliance Certification
Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 126.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001
Process: ODB

Regulated Contaminant:
CAS No: 0NY998-00-0
Name: VOC

Item 126.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:



New York State Department of Environmental Conservation

Permit ID: 4-3844-00008/00006

Facility DEC ID: 4384400008

Compliance with the Non-methane Hydrocarbon emission limit was demonstrated using the manufactures specifications and initial performance tests.

Parameter Monitored: VOC

Upper Limit of Monitoring: 0.08 pounds per million Btus

Reference Test Method: As required

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 127: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 127.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001

Process: ODB

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

Item 127.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Continuous Emission Monitoring of Carbon Monoxide is required. Emissions of CO shall not exceed the limits listed herein when firing natural gas.

Parameter Monitored: CARBON MONOXIDE

Upper Limit of Monitoring: 12.4 pounds per hour

Reference Test Method: 40 CFR 60 APP A,B,F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

Condition 128: Compliance Certification

Effective between the dates of 09/20/2000 and 09/20/2005



New York State Department of Environmental Conservation

Permit ID: 4-3844-00008/00006

Facility DEC ID: 4384400008

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 128.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-0GTDB Emission Point: 00001

Process: ODB

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

Item 128.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Continuous Emission Monitoring of Carbon Monoxide is required. Emissions of CO shall not exceed the limits listed herein when firing #2 fuel oil.

Parameter Monitored: CARBON MONOXIDE

Upper Limit of Monitoring: 24.8 pounds per hour

Reference Test Method: 40 CFR 60 APP A,B,F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

New York State Department of Environmental Conservation

Permit ID: 4-3844-00008/00006

Facility DEC ID: 4384400008



STATE ONLY ENFORCEABLE CONDITIONS

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

Condition 129: General Provisions

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable State Requirement: 6NYCRR 201-5.

Item 129.1:

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 129.2:

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 129.3:

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 130: Contaminant List

Effective between the dates of 09/20/2000 and 09/20/2005

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

Item 130.1:

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

CAS No: 0NY998-00-0

Name: VOC

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE



New York State Department of Environmental Conservation

Permit ID: 4-3844-00008/00006

Facility DEC ID: 4384400008

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Condition 131: Air pollution prohibited

Effective between the dates of 09/20/2000 and 09/20/2005

Applicable State Requirement: 6NYCRR 211.2

Item 131.1:

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.