

New York State Department of Environmental Conservation
Facility DEC ID: 1472202441



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 1-4722-02441/00003
Mod 0 Effective Date: 03/23/2001 Expiration Date: No expiration date.
Mod 1 Effective Date: 10/22/2001 Expiration Date: 10/21/2006

Permit Issued To: NISSEQUOGUE COGEN PARTNERS
GYMANASIUM RD - STONY BROOK CAMPUS
STONY BROOK, NY 11790

Contact: JOHN SASSO
NISSEQUOGUE COGEN PARTNERS PLANT
2099 SUNY @ STONY BROOK
STONY BROOK, NY 11794-2099
(631) 632-9900

Facility: NISSEQUOGUE COGEN PARTNERS PLANT
GYMNASIUM RD - STONY BROOK CAMPUS
STONY BROOK, NY 11790

Contact: MIKE STOCKSTAD
NISSEQUOGUE COGEN PARTNERS PLANT
2099 SUNY @ STONY BROOK
STONY BROOK, NY 11794-2099
(631) 632-9900

Description:
Nissequogue Cogeneration facility is located at University of Stony Brook Campus, Stony Brook, New York. The facility operates a cogeneration plant which supplies steam and electric power to facilities at the University of Stony Brook, including the University Hospital. The facility is upgrading the existing GE LM 6000 PA turbine to a GE 6000 PA Uprate model gas turbine. There turbine is coupled with a Coen duct burner. Both units are capable of firing both natural gas and light distillate oil. The turbine is rated at 460 MMBTU/hr (natural gas firing) and 440 MMBTU/hr (oil firing). The duct burner is rated at 210 MMBTU/hr (gas) and 204 MMBTU/hr (oil). The facility will be capable of generating 50 MW of power. The control of NOx from the turbine is by water injection. Continuous emission monitoring are in place to monitor the NOx and CO emission from the turbine. Opacity is also continuously monitored. Fuel sulfur will be monitored in the fuel oil daily when oil is in use. Fuel sulfur shall not exceed 0.20% by weight in the fuel oil. The duct burner operation is limited to 900,000 MMBTU/yr. Fuel usage and operating data is continuously monitored using the CEM system. The turbine shall fire only natural gas or light distillate fuel. Oil use is limited to 1,035,800 gallons/year. Fuel usage data will be continuously recorded using the CEM system and such records maintained to demonstrate compliance. The facility is subject to 40 CFR 52.21, 60.334, 6NYCRR 225 and 227.

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

Permit Administrator: GEORGE W. HAMMARTH
 SUNY CAMPUS, LOOP ROAD, BUILDING 40
 STONY BROOK, NY 11790-2356

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal-REGION 1
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 1 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 1 Headquarters
Division of Environmental Permits
SUNY Campus, Loop Road, Building 40
Stony Brook, NY 11790-2356
(631) 444-0365



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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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LIST OF CONDITIONS

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STATE ONLY ENFORCEABLE CONDITIONS

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

Mod 0 Permit Effective Date: 03/23/2001

Permit Expiration Date: No expiration date.

Mod 1 Permit Effective Date: 10/22/2001

Permit Expiration Date: 10/21/2006



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FEDERALLY ENFORCEABLE CONDITIONS

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

Condition 1-1: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 6NYCRR 200.

Replaces Condition(s) 1

Item 1-1.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-1.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE FACILITY WILL OPERATE IN ACCORDANCE WITH STATED REQUIREMENTS. RECORDS AND DOCUMENTATION WILL BE USED TO DEMONSTRATE COMPLIANCE.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 2: Sealing

Effective between the dates of 03/23/2001 and Permit Expiration Date

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



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Condition 3: Acceptable ambient air quality
Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.6

Item 3.1:

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

Condition 4: Maintenance of equipment
Effective between the dates of 03/23/2001 and Permit Expiration Date

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 03/23/2001 and Permit Expiration Date

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 03/23/2001 and Permit Expiration Date

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



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excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

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

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

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

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

Condition 7: Emergency Defense
Effective between the dates of 03/23/2001 and Permit Expiration Date

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;



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

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

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

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

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

Condition 8: Recycling and Salvage
Effective between the dates of 03/23/2001 and Permit Expiration Date

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 03/23/2001 and Permit Expiration Date

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 03/23/2001 and Permit Expiration Date

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.



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Condition 11: Proof of Eligibility

Effective between the dates of 03/23/2001 and Permit Expiration Date

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

Item 11.1:

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

Condition 12: Proof of Eligibility

Effective between the dates of 03/23/2001 and Permit Expiration Date

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.

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

Effective between the dates of 03/23/2001 and Permit Expiration Date

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



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reissuance, or modification, or for denial of a permit renewal application.

Item 13.2:

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

**Condition 14: Cessation or Reduction of Permitted Activity Not a Defense
Effective between the dates of 03/23/2001 and Permit Expiration Date**

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 03/23/2001 and Permit Expiration Date**

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:



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

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

Condition 16: Federally-Enforceable Requirements
Effective between the dates of 03/23/2001 and Permit Expiration Date

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 03/23/2001 and Permit Expiration Date

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 03/23/2001 and Permit Expiration Date

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



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Requirements

Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.

Item 19.1:

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

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

Condition 20: Permit Shield

Effective between the dates of 03/23/2001 and Permit Expiration Date

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.



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Condition 21: Property Rights

Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.

Item 21.1:

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

Condition 22: Reopening for Cause

Effective between the dates of 03/23/2001 and Permit Expiration Date

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 03/23/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.



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Item 23.1:

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

- i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- iii. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 24: Severability

Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.

Item 24.1:

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

Condition 25: Emission Unit Definition

Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.

Item 25.1(From Mod 1):

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

Emission Unit: 1-00001

Emission Unit Description:

A STEAM AND ELECTRIC POWER GENERATION SYSTEM CONSISTING OF A GENERAL ELECTRIC LM6000 PA UPRATE GAS TURBINE AND A COEN DUCT BURNER. BOTH UNITS ARE CAPABLE OF FIRING NATURAL GAS AND LIGHT DISTILLATE OIL. BOTH THE TURBINE AND THE DUCT BURNER EXHAUST TO A COMMON STACK.

Building(s): COGEN
COGEN

Condition 1-2: Compliance Certification

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Applicable Federal Requirement: 6NYCRR 201-6.

Replaces Condition(s) 26

Item 1-2.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ALL FILINGS AND NOTIFICATIONS WILL BE
MADE AS REQUIRED. RECORDS AND
DOCUMENTATION WILL BE RETAINED FOR A
MINIMUM OF FIVE YEARS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 28: Compliance Certification

Effective between the dates of 03/23/2001 and Permit Expiration Date

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

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:

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

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report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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

Condition 1-3: Compliance Certification
Effective between the dates of 10/22/2001 and 10/21/2006

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

Item 1-3.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-3.2:

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



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of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;

- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
- and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

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:

NYSDEC
SUNY Campus
Building 40
Stony Brook, NY 11790-2356

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
625 Broadway



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Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/02.
Subsequent reports are due on the same day each year

Condition 29: Permit Exclusion Provisions
Effective between the dates of 03/23/2001 and Permit Expiration Date

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

Item 29.1:

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

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

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

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

Condition 30: Non Applicable requirements
Effective between the dates of 03/23/2001 and Permit Expiration Date

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

Item 30.1:

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



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applicable.

Condition 31: Required emissions tests
Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 31.1:

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

Condition 1-4: Compliance Certification
Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 1-4.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-4.2:

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)

Reports due by April 15th for previous calendar year

Condition 33: Recordkeeping requirements
Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 33.1:

(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.



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

Condition 34: Visible emissions limited.
Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 211.3

Item 34.1:

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

Condition 1-5: Compliance Certification
Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 6NYCRR 211.3

Replaces Condition(s) 35

Item 1-5.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ALL EQUIPMENT WILL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH GOOD AIR POLLUTION PRACTICE. RECORDS OF REGULAR EQUIPMENT MAINTENANCE WILL BE KEPT ON FILE AT THE FACILITY.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 36: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 215.

Item 36.1:

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 37: Compliance Certification



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Effective between the dates of 03/23/2001 and Permit Expiration Date

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

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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any solid fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.2 percent by weight

Monitoring Frequency: DAILY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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

Condition 1-6: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

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

Replaces Condition(s) 38

Item 1-6.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ALL REQUIRED DATA WILL BE MAINTAINED ON FILE AND AVAILABLE AT THE FACILITY. DATA WILL BE SUBMITTED TO THE DEPARTMENT AS PER THE PERMIT CONDITIONS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION



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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-7: Compliance Certification
Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 6NYCRR 227-2.3

Replaces Condition(s) 39

Item 1-7.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 1-7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

FACILITY SUBMITTED A NOX RACT COMPLIANCE
PLAN AND IS CURRENTLY OPERATING UNDER ITS
REQUIREMENTS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after every calendar year.

Condition 1-8: Compliance Certification
Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 6NYCRR 227-2.6(b)

Replaces Condition(s) 40

Item 1-8.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-8.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

FEE PAYMENTS TO THE NYSDEC COMPLIANCE
MONITORING ACTIVITIES FUND WILL CONTINUE
TO BE MADE AS REQUIRED (PER INVOICE).
RECORDS OF THESE PAYMENTS WILL BE KEPT AT
THE FACILITY.

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Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-9: Facility Permissible Emissions
Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 1-9.1:

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: 000630-08-0 (From Mod 1) PTE: 498,000 pounds per year
Name: CARBON MONOXIDE

CAS No: 0NY210-00-0 (From Mod 1) PTE: 498,000 pounds per year
Name: OXIDES OF NITROGEN

Condition 1-10: Compliance Certification
Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 1-10.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 1-10.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
TOTAL ANNUAL EMISSIONS OF OXIDES OF
NITROGEN SHALL NOT EXCEED 249 TONS PER
POLLUTANT, PER YEAR.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after every calendar year.

Condition 1-11: Compliance Certification



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Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 1-11.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-11.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

TOTAL ANNUAL EMISSIONS OF CARBON
MONOXIDE SHALL NOT EXCEED 249 TONS PER
POLLUTANT PER YEAR.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after every calendar year.

Condition 1-12: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 41

Item 1-12.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-12.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

THE SULFUR CONTENT OF DISTILLATE FUEL
BURNED AT THE FACILITY SHALL NOT EXCEED
0.20% BY WEIGHT. SAMPLE WILL BE TAKEN
ONCE DAILY WHEN OIL IS IN USE AND RECORDS
SHALL BE MAINTAINED IN ACCORDANCE WITH



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**THE FACILITY'S CUSTOM FUEL MONITORING
SCHEDULE.**

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.2 percent by weight

Reference Test Method: SULFUR CONTENT

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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

Condition 1-13: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 42

Item 1-13.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE FACILITY WILL COORDINATE ITS STARTUP
AND SHUTDOWN OPERATION WITH THE

UNIVERSITY'S EAST AND WEST BOILER PLANTS.

A LOGBOOK WILL BE MAINTAINED TO DOCUMENT
THE CONVERSATION BETWEEN THE PLANT
OPERATORS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 43: Compliance Certification

Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 43.1:

The Compliance Certification activity will be performed for the Facility.

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Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NISSEQUOGUE COGEN PARTNERS SHALL SUBMIT A QUARTERLY WRITTEN CEM REPORT TO NYSDEC FOR EVERY CALENDAR YEAR QUARTER. ALL QUARTERLY REPORTS SHALL BE POSTMAKRED BY THE 30TH DAY FOLLOWING THE END OF EACH CALENDAR QUARTER AND SHALL INCLUDE:A SUMMARY OF EXCESS EMISSIONS AND CEMS DOWN TIME REPORTED IN AN ACCEPTABLE FORMAT.

THE RESULTS OF THE QUARTERLY MONITORING PERFORMANCE AUDIT, REPORTED IN THE FORMAT OF 40 CFR 60 APPENDIX F (OR EQUIVALENT).

EXCESS EMISSIONS SHALL BE IDENTIFIED AS ANY ONE-HOUR BLOCK PERIOD DURING WHICH THE AVERAGE EMISSIONS OF NO_x OR CO, AS MEASURED BY THE CEM SYSTEM, EXCEEDS THE CORRESPONDING MASS OR CONCENTRATION EMISSION LIMITS SET FORTH IN THIS PERMIT.

FOR THE PURPOSE OF THIS PERMIT, EXCESS EMISSIONS INDICATED BY THE CEM SYSTEM FOR ONE HOUR BLOCK PERIODS OTHER THAN START UPS, SHUTDOWNS, FUEL SWITCHES, MALFUNCTIONS, AND EMERGENCY PERIODS SHALL BE CONSIDERED VIOLATIONS OF THE APPLICABLE EMISSION LIMITS.

NISSEQUOGUE COGEN PARTNERS SHALL MAINTAIN A FILE OF ALL MEASUREMENTS, INCLUDING CEM SYSTEM PERFORMANCE EVALUATIONS; ALL CEM SYSTEMS OR MONITORING DEVICE CALIBRATION CHECKS;ADJUSTMENTS AND MAINTENANCE PERFORMED ON THESE SYSTEMS OR DEVICES; AND ALL OTHER INFORMATION REQUIRED BY 40 CFR PART 60 RECORDED IN A PERMANENT FORM SUITABLE FOR INSPECTION. THE FILE SHALL BE RETAINED FOR AT LEAST THREE YEARS FOLLOWING THE DATE OF SUCH MEASUREMENT, MAINTENANCE, REPORTS, AND RECORDS.

NISSEQUOGUE COGEN PARTNERS MUST CONTINUOUSLY CALCULATE THE MASS EMISSION RATE (LB/HR) OF BOTH NO_x AND CO FROM THE



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GAS TURBINE/DUCT BURNER STACK. THE CALCULATED MASS EMISSION RATE SHALL BE USED TO DETERMINE COMPLIANCE WITH THE APPLICABLE EMISSION LIMITS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

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

Condition 1-14: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 82.106, Subpart E

Replaces Condition(s) 44

Item 1-14.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-14.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EQUIPMENT CONTAINING REGULATED CFCS WILL BE LABELED (THE LABELING DOCUMENTED) PER REGULATORY REQUIREMENTS. THIS WILL BE MONITORED CONTINUOUSLY AND REPORTED ON ANNUALLY.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after every calendar year.

Condition 45: Recycling and Emissions Reduction

Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 45.1:

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.



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

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

**Condition 46: Emission Point Definition By Emission Unit
Effective between the dates of 03/23/2001 and Permit Expiration Date**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 46.1(From Mod 1):

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

Emission Unit: 1-00001

Emission Point: P0001

Height (ft.): 218 Diameter (in.): 108
NYTMN (km.): 4530.8 NYTME (km.): 658.7 Building: COGEN

**Condition 47: Process Definition By Emission Unit
Effective between the dates of 03/23/2001 and Permit Expiration Date**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 47.1(From Mod 1):

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

Emission Unit: 1-00001

Process: GAS Source Classification Code: 2-02-002-03

Process Description:

GE LM 6000 PA UPRATE COMBUSTION TURBINE
AND COEN DUCT BURNER WITH SUPPLEMENTAL
FIRING. THIS PROCESS INCLUDES THE
FOLLOWING SCENARIOS: 1) THE TURBINE AND



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DUCT BURNER FIRE NATURAL GAS; AND 2) THE
TURBINE FIRES NATURAL GAS, NO DUCT BURNER
OPERATION.

Emission Source/Control: 0DBNR - Combustion
Design Capacity: 210 million Btu per hour

Emission Source/Control: 1TURB - Combustion
Design Capacity: 460 million Btu per hour

Item 47.2(From Mod 1):

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

Emission Unit: 1-00001

Process: OIL

Source Classification Code: 2-02-001-03

Process Description:

GE LM 6000 PA UPRATE COMBUSTION TURBINE
AND COEN DUCT BURNER WITH SUPPLEMENTAL
FIRING. THIS PROCESS INCLUDES THE
FOLLOWING SCENARIOS: 1) BOTH UNITS FIRE
DISTILLATE OIL; 2) TURBINE FIRES DISTILLATE
OIL AND DUCT BURNER FIRES GAS; 3) TURBINE
FIRES GAS AND D UCT BURNER FIRES DISTILLATE
OIL; AND 4) TURBINE FIRES DISTILLATE OIL,
NO DUCT BURNER OPERATIONS.

Emission Source/Control: 0DBNR - Combustion
Design Capacity: 210 million Btu per hour

Emission Source/Control: 1TURB - Combustion
Design Capacity: 460 million Btu per hour

Item 47.3(From Mod 1):

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

Emission Unit: 1-00001

Process: SPE

Source Classification Code: 2-02-002-03

Process Description:

GE LM6000 PA UPRATE COMBUSTION TURBINE AND
COEN DUCT BURNER WITH SUPPLEMENTAL FIRING.
BOTH UNITS FIRE NATURAL GAS . A "ZONE OF
SPECIAL OPERATION" REFERS TO SPECIFIC
ALLOWABLE GAS-FIRED EMISSION RATES IN LB/HR
FOR NOX AND CO (SUBSET OF TOTAL GAS USAGE).
SPECIAL OPERATION IS LIMITED TO A MAXIMUM
OF 250 HOURS/YEAR.

Emission Source/Control: 0DBNR - Combustion



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Design Capacity: 210 million Btu per hour

Emission Source/Control: 1TURB - Combustion

Design Capacity: 460 million Btu per hour

Condition 48: Emission Unit Permissible Emissions
Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 48.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: 1-00001

CAS No: 000630080 (From Mod 1)

Name: CARBON MONOXIDE

PTE(s): 98 pounds per hour

498,000 pounds per year

CAS No: 0NY210000 (From Mod 1)

Name: OXIDES OF NITROGEN

PTE(s): 126.2 pounds per hour

498,000 pounds per year

Condition 49: Process Permissible Emissions
Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 49.1:

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: 1-00001 Process: GAS

CAS No: 000630-08-0 (From Mod 1)

Name: CARBON MONOXIDE

PTE(s): 52.6 pounds per hour

460,800 pounds per year

CAS No: 0NY210-00-0 (From Mod 1)

Name: OXIDES OF NITROGEN

PTE(s): 50 pounds per hour

438,000 pounds per year



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Facility DEC ID: 1472202441

Emission Unit: 1-00001 Process: OIL

CAS No: 000630-08-0 (From Mod 1)

Name: CARBON MONOXIDE

PTE(s): 98 pounds per hour

134,560 pounds per year

CAS No: 0NY210-00-0 (From Mod 1)

Name: OXIDES OF NITROGEN

PTE(s): 126.2 pounds per hour

173,270 pounds per year

Emission Unit: 1-00001 Process: SPE

CAS No: 000630-08-0 (From Mod 1)

Name: CARBON MONOXIDE

PTE(s): 67.4 pounds per hour

16,850 pounds per year

CAS No: 0NY210-00-0 (From Mod 1)

Name: OXIDES OF NITROGEN

PTE(s): 63.3 pounds per hour

15,800 pounds per year

Condition 1-15: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

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

Replaces Condition(s) 50

Item 1-15.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-15.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

OPACITY EMISSIONS SHALL NOT BE GREATER THAN 20 PERCENT OPACITY (SIX MINUTE AVERAGE), EXCEPT FOR ONE SIX MINUTE PERIOD PER HOUR OF NOT MORE THAN 27% OPACITY.

Manufacturer Name/Model Number: THERMON ENV TECO 400B

Parameter Monitored: OPACITY



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Upper Permit Limit: 27 percent
Reference Test Method: 40 CFR 60 APP B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after each calendar quarter (January - March, April - June,
July - September, October - December)

Condition 1-16: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

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

Replaces Condition(s) 51

Item 1-16.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-16.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

A CONTINUOUS OPACITY MONITOR (COM) IS
INSTALLED AND CURRENTLY OPERATING

Manufacturer Name/Model Number: THERMON ENV TECO 400B

Parameter Monitored: OPACITY

Upper Permit Limit: 27 percent

Reference Test Method: 40 CFR 60 APP B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

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

Condition 1-17: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

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

Replaces Condition(s) 52

Item 1-17.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001



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Item 1-17.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

INFORMATION ON FUEL HEATING VALUE AND
UNIT ELECTRICAL OUTPUT IS RECORDED AND
MONITORED.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

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

Condition 1-18: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 6NYCRR 227-2.1(a)(5)

Replaces Condition(s) 53

Item 1-18.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Regulated Contaminant(s):

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

Item 1-18.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

SOURCE CURRENTLY EMPLOYS NOX RACT
EQUIPMENT AND OPERATING PROCEDURES.
RECORDS DOCUMENTING CONTINUED COMPLIANCE
WILL BE MAINTAINED. QUARTERLY REPORTING
REQUIREMENTS IS CURRENTLY CARRIED OUT.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

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

Condition 1-19: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006



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Applicable Federal Requirement: 6NYCRR 227-2.6(b)

Replaces Condition(s) 54

Item 1-19.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-19.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NCP MAINTAINS AND OPERATES A CEM SYSTEM FOR NOX, CO AND O2. THESE SYSTEMS MEET THE REQUIREMENTS OF 40 CFR 60 APPENDICES B AND F.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

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

Condition 1-20: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 58

Item 1-20.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-20.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

DISTILLATE OIL USE FOR THE TURBINE IS LIMITED TO 3,254,000 GALLONS PER YEAR. MAXIMUM USE OF DISTILLATE OIL IN THE DUCT BURNER IS 1,035,800 GALLONS PER YEAR. FUEL USE IS CONTINUOUSLY RECORDED AND RECORDS ARE MAINTAINED TO DEMONSTRATE COMPLIANCE.



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Monitoring Frequency: CONTINUOUS
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after every calendar year.

Condition 1-21: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 58

Item 1-21.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

TURBINE SHALL FIRE ONLY NATURAL GAS OR
DISTILLATE OIL.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after every calendar year.

Condition 1-22: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 55

Item 1-22.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NON BASELOAD OPERATION IS PROHIBITED
DURING OIL FIRING. POWER OUTPUT AND FUEL
USAGE ARE CONTINUALLY RECORDED USING THE
CEM SYSTEM. THESE RECORDS WILL BE USED
AS A DEMONSTRATION OF COMPLIANCE.



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Monitoring Frequency: CONTINUOUS
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after every calendar year.

Condition 1-23: Compliance Certification
Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 56

Item 1-23.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

DUCT BURNER SHALL FIRE ONLY NATURAL GAS
OR DISTILLATE OIL.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after every calendar year.

Condition 1-24: Compliance Certification
Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 57

Item 1-24.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

DUCT BURNER OPERATION LIMITED TO 900,000
MMBTU/YR. FUEL USAGE AND OPERATING DATA
ARE CONTINUOUSLY MONITORED USING THE CEM
SYSTEM AND RECORDS MAINTAINED.



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Facility DEC ID: 1472202441

Monitoring Frequency: CONTINUOUS
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after every calendar year.

Condition 1-25: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 60.7, NSPS Subpart A

Replaces Condition(s) 59

Item 1-25.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ALL REQUIRED NSPS PERFORMANCE TESTING
AND ASSOCIATED NOTIFICATIONS AND
RECORDKEEPING WILL CONTINUE TO BE CARRIED
OUT AS REQUIRED. DOCUMENTATION OF THIS
COMPLIANCE IS ON FILE AT THE FACILITY.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-26: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 60.8, NSPS Subpart A

Replaces Condition(s) 60

Item 1-26.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ALL REQUIRED NSPS PERFORMANCE TESTING



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AND ASSOCIATED NOTIFICATIONS AND RECORDKEEPING MUST BE CARRIED OUT AS REQUIRED. DOCUMENTATION OF THIS COMPLIANCE IS ON FILE AT THE FACILITY. WITHIN 180 DAYS AFTER INITIAL STARTUP OF THE GAS TURBINE, A COMPLIANCE TEST MUST BE PERFORMED FOR THE EMISSION UNIT TO DETERMINE EMISSIONS AND OPERATING PARAMETERS. A DEPARTMENT APPROVED TEST PROTOCOL MUST BE USED FOR THE TEST AND THE PROTOCOL MUST BE SUBMITTED TO THE DEPARTMENT FOR APPROVAL WITHIN 90 DAYS AFTER THE INITIAL STARTUP OF THE GAS TURBINE. WITHIN 60 DAYS AFTER COMPLETION OF THE TEST, A TEST REPORT MUST BE SUBMITTED TO THE DEPARTMENT FOR APPROVAL.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-27: Compliance Certification

ab Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 60.11, NSPS Subpart A

Replaces Condition(s) 61

Item 1-27.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ALL REQUIRED NSPS PERFORMANCE TESTING AND ASSOCIATED NOTIFICATIONS AND RECORDKEEPING WILL BE CARRIED OUT AS REQUIRED. DOCUMENTATION OF THIS COMPLIANCE WILL BE ON FILE AT THE FACILITY.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



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Condition 1-28: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Replaces Condition(s) 62

Item 1-28.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE CEM SYSTEM WILL CONTINUE TO BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE REQUIREMENTS OF 40 CFR 60 APPENDICES B AND F. DOCUMENTATION OF SUCH WILL BE KEPT ON FILE AND/OR SUBMITTED AS REQUIRED.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

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

Condition 1-29: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

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

Replaces Condition(s) 63

Item 1-29.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A COMPLIANCE AND PERFORMANCE TEST MUST BE COMPLETED AND A REPORT BE SUBMITTED IN ACCORDANCE WITH 40 CFR 60.8.



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Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-30: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

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

Replaces Condition(s) 64

Item 1-30.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-30.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

CEM DATA WILL BE USED TO DEMONSTRATE
COMPLIANCE WITH THE APPLICABLE
STANDARDS.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

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

Condition 1-31: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

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

Replaces Condition(s) 65, 66

Item 1-31.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



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Monitoring Description:

RECORDS AND NOTIFICATION WILL BE KEPT
PER THE REQUIREMENTS OF 40 CFR 60.7.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 67: Fuel and water monitoring requirements.

Effective between the dates of 03/23/2001 and Permit Expiration Date

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

Item 67.1:

This Condition applies to Emission Unit: 1-00001 Emission Point: P0001

Item 67.2:

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 1-32: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

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

Replaces Condition(s) 68

Item 1-32.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Regulated Contaminant(s):

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

Item 1-32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

FUEL CONSUMPTION AND THE RATIO OF WATER
TO FUEL BEING FIRED IN THE TURBINE IS
MONITORED AND RECORDED.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after each calendar quarter (January - March, April - June,



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July - September, October - December)

Condition 1-33: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

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

Replaces Condition(s) 69

Item 1-33.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Item 1-33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

PER 40 CFR 60.7, EXCESS EMISSION REPORT
FOR NITROGEN OXIDES WILL BE MADE
QUARTERLY.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

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

Condition 1-34: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 70

Item 1-34.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001
Process: GAS

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-34.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:



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Permit ID: 1-4722-02441/00003

Facility DEC ID: 1472202441

CEM DATA WILL BE USED TO DEMONSTRATE COMPLIANCE WITH THE EMISSION LIMIT. THE LIMIT IS BASED ON HHV AND APPLIES AT ALL TIMES EXCEPT STARTUP, SHUTDOWN, FUEL SWITCHING, MALFUNCTION AND EMERGENCY OPERATION.

Manufacturer Name/Model Number: HORIBA CLA 510SS

Upper Permit Limit: 52.6 pounds per hour

Reference Test Method: 40 CFR APP B & F

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: QUARTERLY (CALENDAR)

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

Condition 1-35: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 71

Item 1-35.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Process: GAS

Regulated Contaminant(s):

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

Item 1-35.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM DATA WILL BE USED TO DEMONSTRATE COMPLIANCE WITH THE EMISSION LIMIT. THE LIMIT IS BASED ON HHV AND APPLIES AT ALL TIMES EXCEPT STARTUP, SHUTDOWN, FUEL SWITCHING, MALFUNCTION AND EMERGENCY OPERATION.

Manufacturer Name/Model Number: HORIBA CLA 510SS

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



New York State Department of Environmental Conservation

Permit ID: 1-4722-02441/00003

Facility DEC ID: 1472202441

p0 Reference Test Method: 40 CFR 60 APP B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after each calendar quarter (January - March, April - June,
July - September, October - December)

Condition 1-36: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 1-36.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001
Process: GAS

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM DATA WILL BE USED TO DEMONSTRATE
COMPLIANCE WITH THE EMISSION LIMIT. THE
LIMIT IS BASED ON HHV AND APPLIES AT ALL
TIMES EXCEPT STARTUP, SHUTDOWN, FUEL
SWITCHING, MALFUNCTION AND EMERGENCY
OPERATION.

Manufacturer Name/Model Number: HORIBA VIA 510

Upper Permit Limit: 140 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40 CFR APP B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

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

Condition 1-37: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A



New York State Department of Environmental Conservation

Permit ID: 1-4722-02441/00003

Facility DEC ID: 1472202441

Replaces Condition(s) 72

Item 1-37.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001
Process: GAS

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

Item 1-37.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
CEM DATA WILL BE USED TO DEMONSTRATE
COMPLIANCE WITH THE EMISSION LIMIT. THE
LIMIT IS BASED ON HHV AND APPLIES AT ALL
TIMES EXCEPT STARTUP, SHUTDOWN, FUEL
SWITCHING, MALFUNCTION, AND EMERGENCY
OPERATION.

Manufacturer Name/Model Number: HORIBA CLA 510SS
Upper Permit Limit: 50 pounds per hour
Reference Test Method: 40 CFR 60 APP B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after each calendar quarter (January - March, April - June,
July - September, October - December)

Condition 1-38: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 74

Item 1-38.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001
Process: OIL

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE



New York State Department of Environmental Conservation

Permit ID: 1-4722-02441/00003

Facility DEC ID: 1472202441

Item 1-38.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM DATA WILL BE USED TO DEMONSTRATE COMPLIANCE WITH THE EMISSION LIMIT. THE LIMIT IS BASED ON HHV AND APPLIES AT ALL TIMES EXCEPT STARTUP, SHUTDOWN, FUEL SWITCHING, MALFUNCTION, AND EMERGENCY OPERATION.

Manufacturer Name/Model Number: HORIBA VIA 510

Upper Permit Limit: 98 pounds per hour

Reference Test Method: 40 CFR 60 APP B & F

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: QUARTERLY (CALENDAR)

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

Condition 1-39: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 77

Item 1-39.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Process: OIL

Regulated Contaminant(s):

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

Item 1-39.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM DATA WILL BE USED TO DEMONSTRATE COMPLIANCE WITH THE EMISSION LIMIT. THE LIMIT IS BASED ON HHV AND APPLIES AT ALL TIMES EXCEPT STARTUP, SHUTDOWN, FUEL



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Permit ID: 1-4722-02441/00003

Facility DEC ID: 1472202441

SWITCHING, MALFUNCTION AND EMERGENCY
OPERATION.

Manufacturer Name/Model Number: HORIBA CLA 510 SS
Upper Permit Limit: 126.2 pounds per hour
Reference Test Method: 40 CFR 60 APP B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after each calendar quarter (January - March, April - June,
July - September, October - December)

Condition 1-40: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 76

Item 1-40.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001
Process: OIL

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

Item 1-40.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
CEM DATA WILL BE USED TO DEMONSTRATE
COMPLIANCE WITH THE EMISSION LIMIT. THE
LIMIT IS BASED ON HHV AND APPLIES AT ALL
TIMES EXCEPT STARTUP, SHUTDOWN, FUEL
SWITCHING, MALFUNCTION AND EMERGENCY
OPERATION.

Manufacturer Name/Model Number: HORIBA CLA 510SS
Upper Permit Limit: 50 parts per million by volume (dry,
corrected to 15% O₂)
Reference Test Method: 40 CFR 60 APP B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)



New York State Department of Environmental Conservation

Permit ID: 1-4722-02441/00003

Facility DEC ID: 1472202441

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

Condition 1-41: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 75

Item 1-41.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001
Process: OIL

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-41.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
CEM DATA WILL BE USED TO DEMONSTRATE COMPLIANCE WITH THE EMISSION LIMIT. THE LIMIT IS BASED ON HHV AND APPLIES AT ALL TIMES EXCEPT STARTUP, SHUTDOWN, FUEL SWITCHING, MALFUNCTION AND EMERGENCY OPERATION.

Manufacturer Name/Model Number: HORIBA VIA 510
Upper Permit Limit: 55 parts per million by volume (dry, corrected to 15% O₂)
Reference Test Method: 40 CFR 60 APP B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after each calendar quarter (January - March, April - June, July - September, October - December)

Condition 1-42: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

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

Replaces Condition(s) 73

Item 1-42.1:



New York State Department of Environmental Conservation

Permit ID: 1-4722-02441/00003

Facility DEC ID: 1472202441

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001
Process: OIL

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

Item 1-42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:
FUEL SULFUR CONTENT WILL BE ANALYZED AND
RECORDS MAINTAINED TO DEMONSTRATE
COMPLIANCE.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
NUMBER 2 OIL Process Material:

Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.2 percent by weight
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

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

Condition 1-43: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 78

Item 1-43.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001
Process: SPE

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-43.2:

Compliance Certification shall include the following monitoring:



New York State Department of Environmental Conservation

Permit ID: 1-4722-02441/00003

Facility DEC ID: 1472202441

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM DATA WILL BE USED TO DEMONSTRATE COMPLIANCE WITH THE EMISSION LIMIT. THE LIMIT IS BASED ON HHV AND APPLIES DURING GAS FIRING AT ALL TIMES EXCEPT STARTUP, SHUTDOWN, FUEL SWITCHING, MALFUNCTION AND EMERGENCY OPERATION.

Manufacturer Name/Model Number: HORIBA CLA 510SS

Upper Permit Limit: 67.4 pounds per hour

Reference Test Method: 40 CFR 60 APP B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

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

Condition 1-44: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 80

Item 1-44.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001

Process: SPE

Regulated Contaminant(s):

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

Item 1-44.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM DATA WILL BE USED TO DEMONSTRATE COMPLIANCE WITH THE EMISSION LIMIT. THE LIMIT IS BASED ON HHV AND APPLIES DURING GAS FIRING AT ALL TIMES EXCEPT STARTUP, SHUTDOWN, FUEL SWITCHING, MALFUNCTION AND EMERGENCY OPERATION.

Manufacturer Name/Model Number: HORIBA CLA 510SS



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Permit ID: 1-4722-02441/00003

Facility DEC ID: 1472202441

Upper Permit Limit: 63.3 pounds per hour
Reference Test Method: 40 CFR 60 APP B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after each calendar quarter (January - March, April - June,
July - September, October - December)

Condition 1-45: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 79

Item 1-45.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001
Process: SPE

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-45.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
CEM DATA WILL BE USED TO DEMONSTRATE
COMPLIANCE WITH THE EMISSION LIMIT. THE
LIMIT IS BASED ON HHV AND APPLIES DURING
GAS FIRING AT ALL TIMES EXCEPT STARTUP,
SHUTDOWN, FUEL SWITCHING, MALFUNCTION AND
EMERGENCY OPERATION.

Manufacturer Name/Model Number: HORIBA CLA 510SS
Upper Permit Limit: 140 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: 40 CFR 60 APP B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after each calendar quarter (January - March, April - June,
July - September, October - December)

Condition 1-46: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

New York State Department of Environmental Conservation

Permit ID: 1-4722-02441/00003

Facility DEC ID: 1472202441



Applicable Federal Requirement: 40CFR 52.21, Subpart A

Replaces Condition(s) 81

Item 1-46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001 Emission Point: P0001
Process: SPE

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

Item 1-46.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM DATA WILL BE USED TO DEMONSTRATE
COMPLIANCE WITH THE EMISSION LIMIT. THE
LIMIT IS BASED ON HHV AND APPLIES DURING
GAS FIRING AT ALL TIMES EXCEPT STARTUP,
SHUTDOWN, FUEL SWITCHING, MALFUNCTION AND
EMERGENCY OPERATION.

Manufacturer Name/Model Number: HORIBA CLA 510SS

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

Reference Test Method: 40 CFR 60 APP B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

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: 1-4722-02441/00003

Facility DEC ID: 1472202441



STATE ONLY ENFORCEABLE CONDITIONS

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

Condition 82: General Provisions

Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5.

Item 82.1:

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 82.2:

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 82.3:

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 83: Contaminant List

Effective between the dates of 03/23/2001 and Permit Expiration Date

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

Item 83.1:

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

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN



New York State Department of Environmental Conservation

Permit ID: 1-4722-02441/00003

Facility DEC ID: 1472202441

Condition 84: Air pollution prohibited

Effective between the dates of 03/23/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 84.1:

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

Condition 1-47: Compliance Certification

Effective between the dates of 10/22/2001 and 10/21/2006

Applicable State Requirement: 6NYCRR 211.2

Replaces Condition(s) 85

Item 1-47.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ALL EQUIPMENT WILL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH GOOD AIR POLLUTION CONTROL PRACTICE. RECORDS OF REGULAR EQUIPMENT MAINTENANCE WILL BE KEPT ON FILE AT THE FACILITY.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION