

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 8180200045**



**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Title V Facility Permit  
Permit ID: 8-1802-00045/00022  
Effective Date: 01/18/2000 Expiration Date: 01/18/2005

Permit Issued To: SENECA POWER PARTNERS LP  
135 EAST 57TH ST - 23RD FL  
NEW YORK, NY 10022-2050

Facility: BATAVIA POWER PLANT  
163 CEDAR STREET  
BATAVIA, NY 14020

Contact: KEVIN WIGELL  
SENECA POWER PARTNERS, L.P.  
163 CEDAR ST  
BATAVIA, NY 14020  
(716) 343-9200

**Description:**

This is the initial Title V Facility Operating Permit for an existing 57 megawatt (MW) cogeneration facility. The facility consists of a single Emission Unit, 1-CMBTN, which is composed of the following existing Emission Sources: (1) natural gas-fired turbine, with a total heat input of 551.3 MMBTU/hr, with steam injection and combustion control for reduction of emissions of Oxides of Nitrogen (NOx), a Heat Recovery Steam Generator (HRSG), and a 36.5 megawatt minimum load restriction based on inlet temperature; (2) two natural gas-fired auxiliary boilers with a total heat input of 32.4 MMBTU/hr, which will be used for backup to carry process steam production in the event that the gas turbine is unavailable; (3) a distillate oil-fired 1100KW diesel emergency generator with a total heat input of 10.9 MMBTU/hr, which will be used to provide backup plant electrical supply should the gas turbine be shut down; and (4) a distillate oil-fired starting engine for the gas turbine with a total heat input of 4.61 MMBTU/hr. This permit includes a limit of 499,800 pounds per year on the facility's emissions of NOx, to be calculated on a rolling 12 month basis. This restriction caps the facility's NOx emissions to below the 250 tons per year applicability threshold for the federal New Source Review in Attainment Areas regulations, also called Prevention of Significant Deterioration (PSD), found at 40 CFR 52.21. Since 1990, when the facility was constructed, the facility has operated with the NOx emissions being restricted to below 250 tons per year.



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 8180200045**

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: PETER A. LENT  
6274 EAST AVON LIMA RD  
AVON, NY 14414-9519

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 8  
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:**



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 8180200045**

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

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

**\*\*\*\* Facility Level \*\*\*\***

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 8 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 8 Headquarters  
Division of Environmental Permits  
6274 Avon-Lima Road  
Avon, NY 14414-9519  
(716) 226-2466



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

**Permit Under the Environmental Conservation Law (ECL)**

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: SENECA POWER PARTNERS LP  
135 EAST 57TH ST - 23RD FL  
NEW YORK, NY 10022-2050

Facility: BATAVIA POWER PLANT  
163 CEDAR STREET  
BATAVIA, NY 14020

Contact: KEVIN WIGELL  
SENECA POWER PARTNERS, L.P.  
163 CEDAR ST  
BATAVIA, NY 14020  
(716) 343-9200

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



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 Definitions Applicable To This Permit
- 2 Sealing
- 3 Acceptable ambient air quality
- 4 Maintenance of equipment
- 5 Unpermitted Emission Sources
- 6 Unavoidable Noncompliance and Violations
- 7 Emergency Defense
- 8 Recycling and Salvage
- 9 Prohibition of Reintroduction of Collected Contaminants to the Air
- 10 Public Access to Recordkeeping for Title V facilities
- 11 Proof of Eligibility
- 12 Proof of Eligibility
- 13 Applicable Criteria, Limits, Terms, Conditions and Standards
- 14 Cessation or Reduction of Permitted Activity Not a Defense
- 15 Compliance Requirements
- 16 Federally-Enforceable Requirements
- 17 Fees
- 18 Monitoring, Related Recordkeeping and Reporting Requirements
- 19 Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
- 20 Permit Shield
- 21 Property Rights
- 22 Reopening for Cause
- 23 Right to Inspect
- 24 Severability
- 25 Emission Unit Definition
- 26 Compliance Certification
- 27 Facility Permissible Emissions
- 28 Notification
- 29 Emission Testing, Sampling and Analytical Determinations
- 30 Required emissions tests
- 31 Compliance Certification
- 32 Recordkeeping requirements
- 33 Visible emissions limited.
- 34 Open Fires Prohibited at Industrial and Commercial Sites
- 35 Facility Permissible Emissions
- 36 Compliance Certification
- 37 EPA Region 2 address.
- 38 Excess emissions report.
- 39 Opacity standard compliance testing.
- 40 Monitoring requirements.



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

- 41 Facility Permissible Emissions
- 42 Recycling and Emissions Reduction
- Emission Unit Level**
- 43 Emission Point Definition By Emission Unit
- 44 Process Definition By Emission Unit
- 45 Emission Unit Permissible Emissions
- 46 Emission Unit Permissible Emissions
- 47 Emission Unit Permissible Emissions
- 48 Mandatory episode action plan
- 49 Episode action plans.
- 50 Compliance Certification (EU=1-CMBTN)
- 51 Compliance Certification (EU=1-CMBTN)
- 52 Compliance Certification (EU=1-CMBTN)
- 53 Compliance Certification (EU=1-CMBTN,EP=00001)
- 54 Compliance Certification (EU=1-CMBTN,EP=00001)
- 55 Recordkeeping requirements.
- 56 Compliance Certification (EU=1-CMBTN,EP=00001)
- 57 Compliance Certification (EU=1-CMBTN,EP=00001)
- 58 Compliance Certification (EU=1-CMBTN,EP=00001)
- 2059 Compliance Certification (EU=1-CMBTN,EP=00001)
- 60 Compliance Certification (EU=1-CMBTN,EP=00001)
- 61 Standard for nitrogen oxides.
- 62 Sulfur in fuel standard.
- 63 Fuel and water monitoring requirements.
- 64 Acceptable test methods
- 65 Nitrogen oxides emission rate calculation
- 66 Methods for determining compliance with the sulfur content standard
- 67 Requirement for analysis of Nitrogen and Sulfur in fuel
- 68 Compliance Certification (EU=1-CMBTN,EP=00002)
- 69 Compliance Certification (EU=1-CMBTN,EP=00002)
- 70 Compliance Certification (EU=1-CMBTN,EP=00003)

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 71 General Provisions
- 72 Contaminant List
- 73 Air pollution prohibited

**Emission Unit Level**

- 74 Compliance Certification (EU=1-CMBTN,EP=00003)
- 75 Compliance Certification (EU=1-CMBTN,EP=00006)COMBINED

Permit Effective Date: 01/18/2000

Permit Expiration Date: 01/18/2005



**New York State Department of Environmental Conservation**

Permit ID: 8-1802-00045/00022

Facility DEC ID: 8180200045

**FEDERALLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

**Condition 1: Definitions Applicable To This Permit**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 200.1**

**Item 1.1:**

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

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

**Condition 2: Sealing**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 200.5**

**Item 2.1:**

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

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

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

**Condition 3: Acceptable ambient air quality**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 3.1:**



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

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

**Condition 4: Maintenance of equipment**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 4.1:**

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

**Condition 5: Unpermitted Emission Sources**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-1.2**

**Item 5.1:**

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

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

**Condition 6: Unavoidable Noncompliance and Violations**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-1.4**

**Item 6.1:**

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

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



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

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

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

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

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

**Condition 7: Emergency Defense**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-1.5**

**Item 7.1:**

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

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

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

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

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



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

requirements in the permit; and

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

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

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

**Condition 8: Recycling and Salvage**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-1.7**

**Item 8.1:**

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

**Condition 9: Prohibition of Reintroduction of Collected Contaminants to the Air**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-1.8**

**Item 9.1:**

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

**Condition 10: Public Access to Recordkeeping for Title V facilities**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

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

**Item 10.1:**

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

**Condition 11: Proof of Eligibility**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

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



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

**Item 11.1:**

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

**Condition 12: Proof of Eligibility**

**Effective between the dates of 01/18/2000 and 01/18/2005**

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

**Item 12.1:**

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

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

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 13.1:**

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

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

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

46

**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



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

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

**Condition 14: Cessation or Reduction of Permitted Activity Not a Defense  
Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 14.1:**

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

**Condition 15: Compliance Requirements  
Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 15.1:**

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

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

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

**Item 15.2:**

Requirements for compliance certification with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

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.

ii. All compliance certifications shall be submitted to the Administrator as well as to the Department.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of the effective date of this permit.

**Item 15.3:**

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 15.4:**

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

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

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

**Condition 16: Federally-Enforceable Requirements**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 16.1:**

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

**Condition 17: Fees**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 17.1:**

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

**New York State Department of Environmental Conservation**

Permit ID: 8-1802-00045/00022

Facility DEC ID: 8180200045



**Condition 18: Monitoring, Related Recordkeeping and Reporting Requirements**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 18.1:**

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

**Item 18.2:**

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

- i. Submit reports of any required monitoring at least every 6 months after the date of permit issuance. 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.
- ii. Report promptly (as prescribed under Section 201-1.4 of Part 201) to the Department:
  - deviations from permit requirements, including those attributable to upset conditions,
  - the probable cause of such deviations, and
  - any corrective actions or preventive measures taken.
- iii. The permittee must, in the event that emissions of air contaminants exceeding any air emission standard under 6 NYCRR Chapter III occur due to an emergency, comply with the reporting requirements of section 201-1.4 and subdivision 201-6.6(c) of 6 NYCRR Part 201 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. Facilities desiring an affirmative defense for non-compliance with any applicable requirement due to an emergency shall follow the requirements established under the general provisions of Part 201.
- iv. Where the owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, reports on equipment maintenance or start-up/shutdown for the facility need not be submitted to the commissioner's representative unless requested by the Department or required elsewhere in this permit.

**Condition 19: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**



**Item 19.1:**

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

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

**Condition 20: Permit Shield**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 20.1:**

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

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

**Condition 21: Property Rights**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.**



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

**Item 21.1:**

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

**Condition 22: Reopening for Cause**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 22.1:**

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

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

**Item 22.2:**

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

**Item 22.3:**

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

**Condition 23: Right to Inspect**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 23.1:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

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

**Condition 24: Severability**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 24.1:**

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

**Condition 25: Emission Unit Definition**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 25.1:**

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

Emission Unit: 1-CMBTN

Emission Unit Description:

SINGLE GENERAL ELECTRIC FRAME 6 GAS  
TURBINE UNIT AND HRSG WITH STEAM INJECTION;  
TWO IDENTICAL NATURAL GAS FIRED AUXILIARY  
BOILERS WITH A COMBINED STACK; AN AUXILIARY  
GENERATOR FIRING DISTILLATE FUEL OIL; AND A  
DISTILLATE OIL FIRED STARTING ENGINE FOR  
THE GAS TURBINE.

Building(s): 1

**Condition 26: Compliance Certification**

**Effective between the dates of 01/18/2000 and 01/18/2005**

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

**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**



**Item 26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

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

Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of the effective date of this permit.

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 Karl Mangels, 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 can be found in the general conditions of the DEC general conditions area of the permit. The address for the BCME is as follows:

NYSDEC



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

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

Reporting Requirements: ANNUALLY (ANNIVERSARY)  
Initial Report Due: 02/16/2001 for the period 01/18/2000 through 01/17/2001

**Condition 27: Facility Permissible Emissions**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-7.1**

**Item 27.1:**

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: 0NY210-00-0                      PTE: 499,800 pounds per year  
Name: OXIDES OF NITROGEN

**Condition 28: Notification**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 202-1.2**

**Item 28.1:**

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

**Condition 29: Emission Testing, Sampling and Analytical Determinations**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 202-1.**

**Item 29.1:**

The provisions of 6NYCRR Subpart 202-1 apply to this facility.

**Condition 30: Required emissions tests**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 202-1.1**

**Item 30.1:**

An acceptable report of measured emissions shall be submitted, as may be required by the commissioner,



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

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

**Condition 31: Compliance Certification**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 202-2.1**

**Item 31.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR YEAR)

Reports due by April 15th for previous calendar year

**Condition 32: Recordkeeping requirements**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 202-2.5**

**Item 32.1:**

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

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

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

**Condition 33: Visible emissions limited.**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 33.1:**



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

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

**Condition 34: Open Fires Prohibited at Industrial and Commercial Sites  
Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 215.**

**Item 34.1:**

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

**Condition 35: Facility Permissible Emissions  
Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 35.1:**

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: 0NY210-00-0                      PTE: 499,800 pounds per year  
Name: OXIDES OF NITROGEN

**Condition 36: Compliance Certification  
Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 36.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 36.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes  
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:  
AS PART OF THE PSD NON-APPLICABILITY  
CAPPING, FACILITY WIDE NO<sub>x</sub> EMISSIONS  
SHALL NOT EXCEED A MAXIMUM OF 499,800



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

POUNDS PER YEAR ROLLED MONTHLY.

Reference Test Method: EPA METHOD 20

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

**Condition 37: EPA Region 2 address.**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A**

**Item 37.1:**

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

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

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

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

**Condition 38: Excess emissions report.**

**Effective between the dates of 01/18/2000 and 01/18/2005**

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

**Item 38.1:**

Affected owners or operators shall submit an excess emissions report quarterly (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each calendar quarter (or as appropriate), and shall contain the following information:

1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

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

**Condition 39: Opacity standard compliance testing.**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 60.11, NSPS Subpart A**

**Item 39.1:**

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

- 1) observations shall be conducted in accordance with Reference Method 9, in Appendix A or this Part 40 CFR 60(or an equivalent method approved by the Administrator including continuous opacity monitors);
- 2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and
- 3) all other applicable conditions cited in section 60.11 of this part.

**Condition 40: Monitoring requirements.**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A**

**Item 40.1:**

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

**Condition 41: Facility Permissible Emissions**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart GG**

**Item 41.1:**

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: 0NY210-00-0                      PTE: 499,800 pounds per year  
Name: OXIDES OF NITROGEN



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

**Condition 42: Recycling and Emissions Reduction**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 82, Subpart F**

**Item 42.1:**

The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVAC's in Subpart B:

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

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

**Condition 43: Emission Point Definition By Emission Unit**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-6.**

**Item 43.1:**

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

Emission Unit: 1-CMBTN

Emission Point: 00001

Height (ft.): 150                      Diameter (in.): 132  
NYTMN (km.): 4763.921    NYTME (km.): 242.429    Building: 1

Emission Point: 00002

Height (ft.): 76                      Diameter (in.): 36  
NYTMN (km.): 4763.921    NYTME (km.): 242.429    Building: 1



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**



ONE OR BOTH OF THE AUXILIARY BOILERS  
FIRING NATURAL GAS; OPERATING WITHOUT OTHER  
COMBUSTION EMISSION SOURCES IN OPERATION.

Emission Source/Control: AUXBS - Combustion  
Design Capacity: 16 million Btu per hour

**Item 44.3:**

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

Emission Unit: 1-CMBTN  
Process: BGN  
Source Classification Code: 2-03-002-03  
Process Description:  
AUXILIARY BOILERS (1 OR BOTH) FIRING  
NATURAL GAS; OPERATING SIMULTANEOUSLY WITH  
AUXILIARY GENERATOR FIRING DISTILLATE OIL.

Emission Source/Control: AUXBS - Combustion  
Design Capacity: 16 million Btu per hour

Emission Source/Control: AXGEN - Combustion  
Design Capacity: 10.9 million Btu per hour

**Item 44.4:**

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

Emission Unit: 1-CMBTN  
Process: BGS  
Source Classification Code: 2-03-002-03  
Process Description:  
AUXILIARY BOILERS (1 OR BOTH) FIRING  
NATURAL GAS; OPERATING SIMULTANEOUSLY WITH  
THE AUXILIARY GENERATOR FIRING DISTILLATE  
OIL AND THE STARTING ENGINE, FIRING  
DISTILLATE OIL.

Emission Source/Control: AUXBS - Combustion  
Design Capacity: 16 million Btu per hour

Emission Source/Control: AXGEN - Combustion  
Design Capacity: 10.9 million Btu per hour

Emission Source/Control: DETEN - Combustion  
Design Capacity: 4.61 million Btu per hour

**Item 44.5:**

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

Emission Unit: 1-CMBTN



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

Process: BLS Source Classification Code: 2-03-002-03

Process Description:

AUXILIARY BOILERS (1 OR BOTH) FIRING  
NATURAL GAS; OPERATING SIMULTANEOUSLY WITH  
THE STARTING ENGINE, FIRING DISTILLATE  
OIL.

Emission Source/Control: AUXBS - Combustion

Design Capacity: 16 million Btu per hour

Emission Source/Control: DETEN - Combustion

Design Capacity: 4.61 million Btu per hour

**Item 44.6:**

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

Emission Unit: 1-CMBTN

Process: ENG

Source Classification Code: 2-03-002-03

Process Description:

INTERNAL COMBUSTION ENGINE FIRING  
DISTILLATE OIL; OPERATING WITHOUT OTHER  
COMBUSTION EMISSION SOURCES IN OPERATION.

Emission Source/Control: DETEN - Combustion

Design Capacity: 4.61 million Btu per hour

**Item 44.7:**

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

Emission Unit: 1-CMBTN

Process: GEN

Source Classification Code: 2-03-002-03

Process Description:

AUXILIARY GENERATOR FIRING DISTILLATE OIL;  
OPERATING WITHOUT OTHER COMBUSTION EMISSION  
SOURCES IN OPERATION.

Emission Source/Control: AXGEN - Combustion

Design Capacity: 10.9 million Btu per hour

**Item 44.8:**

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

Emission Unit: 1-CMBTN

Process: GNE

Source Classification Code: 2-03-002-03

Process Description:

AUXILIARY GENERATOR, FIRING DISTILLATE  
OIL; OPERATING SIMULTANEOUSLY WITH THE  
STARTING ENGINE FIRING DISTILLATE OIL.

**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**



Emission Source/Control: AXGEN - Combustion  
Design Capacity: 10.9 million Btu per hour

Emission Source/Control: DETEN - Combustion  
Design Capacity: 4.61 million Btu per hour

**Item 44.9:**

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

Emission Unit: 1-CMBTN  
Process: GTB  
Source Classification Code: 2-03-002-03  
Process Description:  
GAS TURBINE/HRSG FIRING NATURAL GAS;  
OPERATING SIMULTANEOUSLY WITH ONE OR BOTH  
AUXILIARY BOILERS FIRING NATURAL GAS.

Emission Source/Control: 000GT - Combustion  
Design Capacity: 551.3 million Btu per hour

Emission Source/Control: AUXBS - Combustion  
Design Capacity: 16 million Btu per hour

Emission Source/Control: 0SINJ - Control  
Control Type: STEAM OR WATER INJECTION

**Item 44.10:**

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

Emission Unit: 1-CMBTN  
Process: GTO  
Source Classification Code: 2-03-002-03  
Process Description:  
GE FRAME 6 GAS TURBINE/HRSG, FIRING  
NATURAL GAS; WITHOUT OTHER COMBUSTION  
EMISSION SOURCES OPERATING.

Emission Source/Control: 000GT - Combustion  
Design Capacity: 551.3 million Btu per hour

Emission Source/Control: 0SINJ - Control  
Control Type: STEAM OR WATER INJECTION

**Item 44.11:**

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

Emission Unit: 1-CMBTN  
Process: GTS  
Source Classification Code: 2-03-002-03  
Process Description:



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

GAS TURBINE/HRSG, FIRING NATURAL GAS; AND  
OPERATING SIMULTANEOUSLY WITH THE INTERNAL  
COMBUSTION STARTING ENGINE FIRING  
DISTILLATE OIL.

Emission Source/Control: 000GT - Combustion  
Design Capacity: 551.3 million Btu per hour

Emission Source/Control: DETEN - Combustion  
Design Capacity: 4.61 million Btu per hour

Emission Source/Control: 0SINJ - Control  
Control Type: STEAM OR WATER INJECTION

**Item 44.12:**

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

Emission Unit: 1-CMBTN

Process: TBG

Source Classification Code: 2-03-002-03

Process Description:

GAS TURBINE/HRSG FIRING NATURAL GAS;  
OPERATING SIMULTANEOUSLY WITH AUXILIARY  
BOILER (1 OR BOTH), FIRING NATURAL GAS; AND  
THE AUXILIARY GENERATOR, FIRING DISTILLATE  
OIL.

Emission Source/Control: 000GT - Combustion  
Design Capacity: 551.3 million Btu per hour

Emission Source/Control: AUXBS - Combustion  
Design Capacity: 16 million Btu per hour

Emission Source/Control: AXGEN - Combustion  
Design Capacity: 10.9 million Btu per hour

Emission Source/Control: 0SINJ - Control  
Control Type: STEAM OR WATER INJECTION

**Item 44.13:**

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

Emission Unit: 1-CMBTN

Process: TBS

Source Classification Code: 2-03-002-03

Process Description:

GAS TURBINE/HRSG, FIRING NATURAL GAS;  
OPERATING SIMULTANEOUSLY WITH ONE OR BOTH  
OF THE AUXILIARY BOILERS, FIRING NATURAL  
GAS; AND THE STARTING ENGINE, FIRING

**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**



**DISTILLATE OIL.**

Emission Source/Control: 000GT - Combustion  
Design Capacity: 551.3 million Btu per hour

Emission Source/Control: AUXBS - Combustion  
Design Capacity: 16 million Btu per hour

Emission Source/Control: DETEN - Combustion  
Design Capacity: 4.61 million Btu per hour

Emission Source/Control: 0SINJ - Control  
Control Type: STEAM OR WATER INJECTION

**Item 44.14:**

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

Emission Unit: 1-CMBTN

Process: TGN

Source Classification Code: 2-03-002-03

Process Description:

GAS TURBINE/HRSG, FIRING NATURAL GAS;  
OPERATING SIMULTANEOUSLY WITH THE AUXILIARY  
GENERATOR FIRING DISTILLATE OIL.

Emission Source/Control: 000GT - Combustion  
Design Capacity: 551.3 million Btu per hour

Emission Source/Control: AXGEN - Combustion  
Design Capacity: 10.9 million Btu per hour

Emission Source/Control: 0SINJ - Control  
Control Type: STEAM OR WATER INJECTION

**Item 44.15:**

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

Emission Unit: 1-CMBTN

Process: TGS

Source Classification Code: 2-03-002-03

Process Description:

GAS TURBINE/HRSG, FIRING NATURAL GAS;  
OPERATING SIMULTANEOUSLY WITH THE AUXILIARY  
GENERATOR, FIRING DISTILLATE OIL; AND THE  
STARTING ENGINE, FIRING DISTILLATE OIL.

Emission Source/Control: 000GT - Combustion  
Design Capacity: 551.3 million Btu per hour

Emission Source/Control: AXGEN - Combustion



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

Design Capacity: 10.9 million Btu per hour

Emission Source/Control: DETEN - Combustion

Design Capacity: 4.61 million Btu per hour

Emission Source/Control: OSINJ - Control

Control Type: STEAM OR WATER INJECTION

**Condition 45: Emission Unit Permissible Emissions**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-7.1**

**Item 45.1:**

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-CMBTN

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 122.3 pounds per hour

499,800 pounds per year

**Condition 46: Emission Unit Permissible Emissions**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 46.1:**

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-CMBTN

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 122.3 pounds per hour

499,800 pounds per year

**Condition 47: Emission Unit Permissible Emissions**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart GG**

**Item 47.1:**

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-CMBTN

CAS No: 0NY210-00-0  
Name: OXIDES OF NITROGEN  
PTE(s): 122.3 pounds per hour  
499,800 pounds per year

**Condition 48: Mandatory episode action plan**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 207.2(a)**

**Item 48.1:**

This Condition applies to Emission Unit: 1-CMBTN

**Item 48.2:**

An episode action plan for this source of air contamination must be submitted within 90 days upon the request of the Commissioner. The plan shall contain detailed steps which will be taken by the owner to reduce air contaminant emissions during each stage of an air pollution episode.

**Condition 49: Episode action plans.**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 207.3(d)**

**Item 49.1:**

This Condition applies to Emission Unit: 1-CMBTN

**Item 49.2:**

Any person who owns an air contamination source for which an episode action plan has been issued or approved shall take whatever actions are prescribed by this episode action plan when an air pollution episode is in effect.

**Condition 50: Compliance Certification**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

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

**Item 50.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN

**Item 50.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

**DEVICE PARAMETERS AS SURROGATE**

**Monitoring Description:**

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

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

rd Reference Test Method: EPA METHOD 9

Monitoring Frequency: DAILY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 51: Compliance Certification**

**Effective between the dates of 01/18/2000 and 01/18/2005**

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

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 51.2:**

Compliance Certification shall include the following monitoring:

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

**Monitoring Description:**

The owner or operator of any stationary gas turbine subject to the provisions of 40CFR60 Subpart GG that is using water injection to control NOx emissions shall install and operate a continuous monitoring system to monitor and record fuel consumption and the ratio of water to fuel fired in the turbine. This system shall be accurate to within +/- 5.0 percent and shall be approved by the Administrator.

Parameter Monitored: STEAM/FUEL VOLUMETRIC FLOW RATE RATIO

Upper Limit of Monitoring: 1.47 pounds of water per pound of fuel



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR YEAR)

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

**Condition 52: Compliance Certification**

**Effective between the dates of 01/18/2000 and 01/18/2005**

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

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 52.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

For the purposes of the excess emissions and monitoring systems performance report, the following shall be defined as periods of excess emissions:

Any one-hour period during which the average water-to-fuel ratio, as measured by the continuous monitoring system, falls below the water-to-fuel ratio determined to demonstrate compliance with 40CFR60.332 by the required performance test.

Each report shall include the average water-to-fuel ratio, average fuel consumption, ambient conditions, gas turbine load, and nitrogen content of the fuel during the period of excess emissions, and the graphs or figures developed under 40CFR60.335(a).

Parameter Monitored: STEAM/FUEL VOLUMETRIC FLOW RATE RATIO

Lower Limit of Monitoring: 1.0 pound steam per hour

Upper Limit of Monitoring: 1.25 pound steam per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (ANNIVERSARY)

Initial Report Due: 05/17/2000 for the period 01/18/2000 through 04/17/2000



**New York State Department of Environmental Conservation**

Permit ID: 8-1802-00045/00022

Facility DEC ID: 8180200045

**Condition 53: Compliance Certification**  
Effective between the dates of 01/18/2000 and 01/18/2005

**Applicable Federal Requirement: 6NYCRR 201-1.4**

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN Emission Point: 00001

**Item 53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

MONITOR DURATION OF GAS TURBINE STARTUP,  
WHEN EMISSION LIMITS DO NOT APPLY. 4 HOUR  
MAXIMUM LIMIT.

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 54: Compliance Certification**  
Effective between the dates of 01/18/2000 and 01/18/2005

**Applicable Federal Requirement: 6NYCRR 201-1.4**

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN Emission Point: 00001

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

MONITOR DURATION OF GAS TURBINE SHUTDOWN  
WHEN EMISSION LIMITS DO NOT APPLY. 3 HOUR  
MAXIMUM LIMIT.

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 55: Recordkeeping requirements.**

**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**



**Effective between the dates of 01/18/2000 and 01/18/2005**

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

**Item 55.1:**

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

**Item 55.2:**

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

**Condition 56: Compliance Certification**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart GG**

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN Emission Point: 00001

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

CO EMISSIONS ARE LIMITED TO 41 LBS/HR AS ESTABLISHED IN THE INITIAL STACK TEST. THE MASS EMISSION RATE FOR THESE POLLUTANTS CORRESPONDS TO AN AMBIENT TEMPERATURE OF 48 DEGREES F. PLEASE REFER TO FIGURE 2 TO CORRESPOND THIS MASS EMISSION LIMIT TO THE CURRENT AMBIENT TEMPERATURE. ADDITIONAL TESTING SHALL BE CONDUCTED UPON REQUEST OF THE ADMINISTRATOR.

Upper Limit of Monitoring: 41 pounds per hour

Reference Test Method: EPA METHOD 10

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 57: Compliance Certification**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart GG**

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN Emission Point: 00001

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

CO EMISSIONS ARE LIMITED TO 40 PPMV  
(DRY, CORRECTED TO 15% OXYGEN) AS  
ESTABLISHED IN THE INITIAL STACK TEST.  
ADDITIONAL TESTING WILL BE CONDUCTED UPON  
REQUEST OF THE ADMINISTRATOR.

Upper Limit of Monitoring: 40 parts per million by volume (dry,  
corrected to 15% O<sub>2</sub>)

Reference Test Method: EPA METHOD 10

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 58: Compliance Certification**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart GG**

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN Emission Point: 00001

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**



**Item 58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

THE SULFUR CONTENT SHALL BE MONITORED BIMONTHLY ACCORDING TO THE CUSTOM FUEL MONITORING SCHEDULE APPROVED BY GEORGE PAVLOV, DIRECTOR OF DIVISION OF ENFORCEMENT AND COMPLIANCE ASSISTANCE, EPA REGION 2. RESULTS WILL BE ACCURATE TO WITHIN +/- 5%.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NATURAL GAS

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 0.8 percent

Reference Test Method: ASTM D 1072-80

Monitoring Frequency: BI-MONTHLY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 59: Compliance Certification**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart GG**

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN Emission Point: 00001

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

THE GAS TURBINE MAY NOT OPERATE BELOW



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

BASE LOAD, EXCEPT DURING PERIODS OF START UP AND SHUTDOWN. BASE LOAD CORRESPONDS WITH TO 36.5 MW (FIRING GAS, AMBIENT TEMPERATURE OF 60 DEGREES F. FIGURE 3 CORRELATES THIS LIMIT TO THE CURRENT AMBIENT TEMPERATURE.

Lower Limit of Monitoring: 36.5 megawatt

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 60: Compliance Certification**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart GG**

**Item 60.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN Emission Point: 00001

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 60.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE NITROGEN CONTENT OF THE NATURAL GAS SHALL BE MONITORED BIMONTHLY ACCORDING TO THE CUSTOM FUEL MONITORING SCHEDULE APPROVED BY GEORGE PAVLOV, DIRECTOR OF THE DIVISION OF ENFORCEMENT AND COMPLIANCE ASSISTANCE, EPA REGION 2. RESULTS WILL BE ACCURATE TO WITHIN +/- 5%.

Monitoring Frequency: BI-MONTHLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 61: Standard for nitrogen oxides.**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**New York State Department of Environmental Conservation**

Permit ID: 8-1802-00045/00022

Facility DEC ID: 8180200045



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

**Item 61.1:**

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

**Item 61.2:**

$$\text{STD} = 0.0075 * [(14.4) / Y] + F$$

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

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

F = nitrogen oxide emission allowance for fuel bound nitrogen:

Fuel bound nitrogen (% by weight)	F (NO <sub>x</sub> % by volume)
N <= 0.015	0
0.015 < N <= 0.1	0.04(N)
0.1 < N <= 0.25	0.004 + 0.0067(N-0.1)
N > 0.25	0.005

**Condition 62: Sulfur in fuel standard.**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 60.333, NSPS Subpart GG**

**Item 62.1:**

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

**Item 62.2:**

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

**Condition 63: Fuel and water monitoring requirements.**

**Effective between the dates of 01/18/2000 and 01/18/2005**

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

**Item 63.1:**

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

**Item 63.2:**

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%.

**New York State Department of Environmental Conservation**

Permit ID: 8-1802-00045/00022

Facility DEC ID: 8180200045



**Condition 64: Acceptable test methods**  
Effective between the dates of 01/18/2000 and 01/18/2005

**Applicable Federal Requirement: 40CFR 60.335(b), NSPS Subpart GG**

**Item 64.1:**

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

**Item 64.2:**

In conducting the performance test required in 40 CFR 60.8, the owner or operator shall use the reference methods in Appendix A of 40 CFR 60 or other methods and procedures as specified in 40 CFR 60.335, except as provided for in 40 CFR 60.8(b).

**Condition 65: Nitrogen oxides emission rate calculation**  
Effective between the dates of 01/18/2000 and 01/18/2005

**Applicable Federal Requirement: 40CFR 60.335(c)(1), NSPS Subpart GG**

**Item 65.1:**

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

**Item 65.2:**

The owner or operator shall determine compliance with the nitrogen oxide (NO<sub>x</sub>) standard using the following equation:

$$\text{NO}_x = (\text{NO}_{x0}) (\text{Pr}/\text{Po})^{0.5} e^{19(\text{Ho}-0.00633)} (288 \text{ degrees K}/\text{Ta})^{1.53}$$

Where:

NO<sub>x</sub> = emission rate of NO<sub>x</sub> at 15 % O<sub>2</sub> and ISO standard ambient conditions, volume percent.

NO<sub>x0</sub> = observed NO<sub>x</sub> concentration, ppm by volume.

Pr = reference combustor inlet absolute pressure at 101.3 kilopascals ambient pressure, mm Hg.

Po = observed combustor inlet absolute pressure at test, mm Hg.

Ho = observed humidity of ambient air, g H<sub>2</sub>O/g air.

e = 2.718

Ta = ambient temperature, degrees K.

**Condition 66: Methods for determining compliance with the sulfur content standard**  
Effective between the dates of 01/18/2000 and 01/18/2005

**Applicable Federal Requirement: 40CFR 60.335(d), NSPS Subpart GG**

**Item 66.1:**

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

**Item 66.2:**



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

The owner or operator shall determine compliance with the sulfur content standard in 40 CFR 60.335(b) as follows:

ASTM D 2880-71 for liquid fuels and ASTM 1072-80, D 3031-81, D 4084-82, or D 3246-81 for gaseous fuels.

**Condition 67: Requirement for analysis of Nitrogen and Sulfur in fuel  
Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 40CFR 60.335(e), NSPS Subpart GG**

**Item 67.1:**

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

**Item 67.2:**

To meet the requirements 40 CFR 60.334(b), the owner or operator shall use methods specified in 40 CFR 335(a) and (d) to determine the nitrogen and sulfur content of fuels being burned. The analysis may be performed by the owner or operator, a service contractor, the fuel vendor, or any qualified agency.

**Condition 68: Compliance Certification  
Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-7.1**

**Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN Emission Point: 00002

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 68.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

FUEL USE IN THE AUXILIARY BOILERS SHALL  
BE CONTINUOUSLY MONITORED AND SUMMED ON A  
MONTHLY BASIS. ASSOCIATED NO<sub>x</sub> EMISSIONS  
SHALL BE CALCULATED FROM EMISSION FACTORS  
OBTAINED FROM THE ORIGINAL STACK TEST  
ACCORDING TO THE FOLLOWING FORMULA:

NO<sub>x</sub>= 0.09 LB/mmBTU FUEL  
CONSUMED

**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**



FUEL CONSUMED (mmBTU)= FROM  
INSTALLED FUEL METER  
NO<sub>x</sub> LBS= 0.09 LBS/mmBTU X  
mmBTU OF FUEL CONSUMED

Parameter Monitored: NATURAL GAS  
Reference Test Method: EPA METHOD 20  
Monitoring Frequency: CONTINUOUS  
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY  
Reporting Requirements: QUARTERLY (CALENDAR YEAR)  
Reports due 30 days after each calendar quarter (January - March, April - June,  
July - September, October - December)

**Condition 69: Compliance Certification**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**

**Item 69.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN Emission Point: 00002

**Item 69.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

Monitoring Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 70: Compliance Certification**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable Federal Requirement: 6NYCRR 201-7.1**

**Item 70.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN Emission Point: 00003

**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**



Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 70.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

FUEL USE IN THE AUXILIARY DIESEL  
GENERATOR DETERMINED BY DELIVERY AND  
DELIVERY INVENTORY, SHALL BE SUMMED ON A  
MONTHLY BASIS. ASSOCIATED NO<sub>x</sub> EMISSIONS  
SHALL BE CALCULATED FROM EMISSION FACTORS  
OBTAINED FROM THE ORIGINAL STACK TEST  
ACCORDING TO THE FOLLOWING FORMULA:

$$\text{NO}_x = 3.06 \text{ LBS/mmBTU FUEL}$$
$$\text{CONSUMED}$$
$$\text{FUEL CONSUMED (mmBTU)} = \text{GALLONS}$$
$$\text{CONSUMED} \times \text{HEATING VALUE OF THE FUEL FROM}$$
$$\text{SUPPLIER SPECIFICATIONS}$$
$$\text{NO}_x \text{ LBS} = 3.06 \text{ LBS/mmBTU} \times$$
$$\text{mmBTU OF FUEL CONSUMED}$$

Parameter Monitored: FUEL OIL #2

Reference Test Method: EPA METHOD 20

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR YEAR)

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

**New York State Department of Environmental Conservation**

Permit ID: 8-1802-00045/00022

Facility DEC ID: 8180200045



**STATE ONLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

**Condition 71: General Provisions**

**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable State Requirement: 6NYCRR 201-5.**

**Item 71.1:**

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 71.2:**

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 71.3:**

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 72: Contaminant List**

**Effective between the dates of 01/18/2000 and 01/18/2005**

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

**Item 72.1:**

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: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

**Condition 73: Air pollution prohibited**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 73.1:**

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

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

**Condition 74: Compliance Certification**  
**Effective between the dates of 01/18/2000 and 01/18/2005**

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

**Item 74.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN Emission Point: 00003

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Item 74.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

THE AUXILIARY GENERATOR SHALL FIRE ONLY NUMBER 2 FUEL OIL WITH A SULFUR CONTENT LIMITED TO 0.2% MAXIMUM. CONTENT WILL BE DETERMINED FROM AN ANNUAL REQUEST FROM THE ADMINSTRATOR FOR A TEST OF A RANDOM SAMPLE AND KEPT ON RECORD.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 0.2 percent



**New York State Department of Environmental Conservation**

**Permit ID: 8-1802-00045/00022**

**Facility DEC ID: 8180200045**

Reference Test Method: ASTM D 2880-71

Monitoring Frequency: ANNUALLY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 75: Compliance Certification**

**Effective between the dates of 01/18/2000 and 01/18/2005**

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

**Item 75.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBTN Emission Point: 00006

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Item 75.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

THE DIESEL TURBINE STARTING ENGINE SHALL  
FIRE ONLY NUMBER 2 FUEL OIL WITH A  
SULFUR CONTENT LIMITED TO 0.2% MAXIMUM.  
CONTENT WILL BE DETERMINED FROM AN ANNUAL  
REQUEST FROM THE ADMINISTRATOR FOR A TEST  
OF A RANDOM SAMPLE AND KEPT ON RECORD.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 0.2 percent

Reference Test Method: ASTM D 2880-71

Monitoring Frequency: ANNUALLY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY