

New York State Department of Environmental Conservation
Facility DEC ID: 4012200044



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 4-0122-00044/00021
Effective Date: 02/13/2002 Expiration Date: No expiration date

Permit Issued To: PSEG POWER NEW YORK INC
80 PARK PLAZA
NEWARK, NJ 07102

Facility: BETHLEHEM ENERGY CENTER
380 RIVER RD|RT 144
GLENMONT, NY 12077

Contact: LEO G ZUGNER
BETHLEHEM ENERGY CENTER
380 RIVER RD
GLENMONT, NY 12077
(518) 436-5077

Description:
NATURE OF BUSINESS AT THE FACILITY:
Electric power generation.

TYPE OF EQUIPMENT AND OPERATION AT THE FACILITY:
A combined cycle electric generating facility consisting of three General Electric 7 FA combustion turbine generators, three heat recovery steam generators, one steam turbine generator and associated balance-of-plant systems and facilities. The primary fuel will be natural gas with low (0.04 percent) sulphur distillate oil as a back-up fuel.

AIR PERMIT APPLICABILITY:
Air state facility permit (Part 201 pre-construction permit).

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: WILLIAM R ADRIANCE
DIVISION OF ENVIRONMENTAL PERMITS
625 BROADWAY
ALBANY, NY 12233-1750

FINAL

New York State Department of Environmental Conservation
Facility DEC ID: 4012200044



Authorized Signature: _____ Date: ___ / ___ / ____



Notification of Other State 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, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

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 4
HEADQUARTERS



DEC GENERAL CONDITIONS
****** General Provisions ******
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

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

New York State Department of Environmental Conservation
Facility DEC ID: 4012200044



Item 4.1:

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

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

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

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 4 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)

Item 5.1:

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

NYSDEC Regional Permit Administrator
Region 4 Headquarters
Division of Environmental Permits
1150 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: PSEG POWER NEW YORK INC

80 PARK PLAZA

NEWARK, NJ 07102

Facility:

BETHLEHEM ENERGY CENTER

380 RIVER RD|RT 144

GLENMONT, NY 12077

Authorized Activity By Standard Industrial Classification Code:

4911 - ELECTRIC SERVICES



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 26 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 3 6NYCRR 200.7: Maintenance of equipment
- 6 6NYCRR 201-1.7: Recycling and Salvage
- 7 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the Air
- 9 6NYCRR 201-3.2(a): Proof of Eligibility
- 10 6NYCRR 201-3.3(a): Proof of Eligibility
- 11 6NYCRR 202-1.1: Required emissions tests
- 25 6NYCRR 211.3: Visible emissions limited.
- 47 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 1 6NYCRR 200.5: Sealing
- 2 6NYCRR 200.6: Acceptable ambient air quality
- 4 6NYCRR 201-1.2: Unpermitted Emission Sources
- 5 6NYCRR 201-1.5: Emergency Defense
- 8 6NYCRR 201-1.10(a): Public Access to Recordkeeping
- 12 6NYCRR 202-1.3: Acceptable procedures - Stack test report submittal
- 13 6NYCRR 204-1.6: Permit requirements (facilities commencing operation on or after 01/00)
- 14 6NYCRR 204-2.1: Submissions to the Department.
- 15 6NYCRR 204-4.1: Contents of reports and compliance certifications.
- 16 6NYCRR 204-4.1: Compliance Demonstration
- 17 6NYCRR 204-7.1: Submission of NOx allowance transfers.
- 18 6NYCRR 204-8.1: General provisions.
- 19 6NYCRR 204-8.1: Prohibitions.
- 20 6NYCRR 204-8.1: Requirements for installation, certification, and data accounting.
- 21 6NYCRR 204-8.2: Requirements for recertification of monitoring systems.
- 22 6NYCRR 204-8.2: Compliance Demonstration
- 23 6NYCRR 204-8.3: Out of control periods.
- 24 6NYCRR 204-8.7: Compliance Demonstration
- 27 6NYCRR 225-1.7(c): Compliance Demonstration
- 28 6NYCRR 225-1.8(d): Sampling, compositing, and analysis of fuel samples
- 29 6NYCRR 227-1.3(a): Compliance Demonstration
- 31 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 32 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 33 40CFR 60.7(c), NSPS Subpart A: Excess emissions report.
- 34 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
- 35 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 36 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 37 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 38 40CFR 60.8(c), NSPS Subpart A: Required performance test information.



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

- 39 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 40 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 41 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 42 40CFR 60.9, NSPS Subpart A: Availability of information.
- 43 40CFR 60.12, NSPS Subpart A: Circumvention.
- 30 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 44 40CFR 60.14, NSPS Subpart A: Modifications.
- 45 40CFR 60.15, NSPS Subpart A: Reconstruction
- 46 40CFR 72: Facility Subject to Title IV Acid Rain Regulations and Permitting

Emission Unit Level

EU=U-00010

- 48 6NYCRR 201-7.1: Compliance Demonstration
- 49 6NYCRR 201-7.1: Compliance Demonstration
- 50 6NYCRR 201-7.1: Compliance Demonstration
- 51 6NYCRR 201-7.1: Compliance Demonstration
- 52 6NYCRR 201-7.1: Compliance Demonstration
- 53 6NYCRR 201-7.1: Compliance Demonstration
- 54 6NYCRR 201-7.1: Compliance Demonstration
- 55 6NYCRR 201-7.1: Compliance Demonstration
- 56 6NYCRR 201-7.1: Compliance Demonstration
- 57 6NYCRR 204-8.4: Compliance Demonstration
- 58 6NYCRR 225-1.8(a): Compliance Demonstration
- 59 6NYCRR 231-2.6: Part 231-2 Netting
- 60 40CFR 52.21, Subpart A: Compliance Demonstration
- 61 40CFR 52.21, Subpart A: Compliance Demonstration
- 62 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Demonstration
- 63 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Demonstration
- 64 40CFR 60.334(a), NSPS Subpart GG: Compliance Demonstration
- 65 40CFR 60.334(b), NSPS Subpart GG: Custom fuel monitoring for nitrogen and sulfur content.

EU=U-00010,Proc=CT1

- 66 6NYCRR 201-7.1: Compliance Demonstration
- 67 6NYCRR 201-7.1: Compliance Demonstration
- 68 6NYCRR 201-7.1: Compliance Demonstration
- 69 6NYCRR 201-7.1: Compliance Demonstration
- 70 6NYCRR 201-7.1: Compliance Demonstration
- 71 6NYCRR 201-7.1: Compliance Demonstration
- 72 40CFR 52.21, Subpart A: Compliance Demonstration
- 73 40CFR 52.21, Subpart A: Compliance Demonstration

EU=U-00010,Proc=CT2

- 74 6NYCRR 201-7.1: Compliance Demonstration
- 75 6NYCRR 201-7.1: Compliance Demonstration
- 76 6NYCRR 201-7.1: Compliance Demonstration



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

- 77 6NYCRR 201-7.1: Compliance Demonstration
- 78 6NYCRR 201-7.1: Compliance Demonstration
- 79 6NYCRR 201-7.1: Compliance Demonstration
- 80 40CFR 52.21, Subpart A: Compliance Demonstration
- 81 40CFR 52.21, Subpart A: Compliance Demonstration
- 82 40CFR 52.21, Subpart A: Compliance Demonstration
- 83 40CFR 52.21, Subpart A: Compliance Demonstration
- 84 40CFR 52.21, Subpart A: Compliance Demonstration
- 85 40CFR 52.21, Subpart A: Compliance Demonstration
- 86 40CFR 52.21, Subpart A: Compliance Demonstration
- 87 40CFR 52.21, Subpart A: Compliance Demonstration
- 88 40CFR 52.21, Subpart A: Compliance Demonstration
- 89 40CFR 52.21, Subpart A: Compliance Demonstration
- 90 40CFR 52.21, Subpart A: Compliance Demonstration
- 91 40CFR 52.21, Subpart A: Compliance Demonstration

EU=U-00010,Proc=CT3

- 92 6NYCRR 201-7.1: Compliance Demonstration
- 93 6NYCRR 201-7.1: Compliance Demonstration
- 94 6NYCRR 201-7.1: Compliance Demonstration
- 95 6NYCRR 201-7.1: Compliance Demonstration
- 96 6NYCRR 201-7.1: Compliance Demonstration
- 97 6NYCRR 201-7.1: Compliance Demonstration
- 98 40CFR 52.21, Subpart A: Compliance Demonstration

EU=U-00010,Proc=CT4

- 99 6NYCRR 201-7.1: Compliance Demonstration
- 100 6NYCRR 201-7.1: Compliance Demonstration
- 101 6NYCRR 201-7.1: Compliance Demonstration
- 102 6NYCRR 201-7.1: Compliance Demonstration
- 103 6NYCRR 201-7.1: Compliance Demonstration
- 104 6NYCRR 201-7.1: Compliance Demonstration
- 105 40CFR 52.21, Subpart A: Compliance Demonstration
- 106 40CFR 52.21, Subpart A: Compliance Demonstration
- 107 40CFR 52.21, Subpart A: Compliance Demonstration
- 108 40CFR 52.21, Subpart A: Compliance Demonstration

EU=U-00010,Proc=P61,ES=FDRYE

- 109 40CFR 52.21, Subpart A: Compliance Demonstration
- 110 40CFR 52.21, Subpart A: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 111 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 112 6NYCRR 201-5: General Provisions
- 113 6NYCRR 201-5: Permit Exclusion Provisions
- 114 6NYCRR 201-5: Emission Unit Definition



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

115 6NYCRR 201-5.3(b): Contaminant List

116 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

117 6NYCRR 201-5: Emission Point Definition By Emission Unit

118 6NYCRR 201-5: Process Definition By Emission Unit

Permit Effective Date: 02/13/2002

Permit Expiration Date: No expiration date.

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



FEDERALLY ENFORCEABLE CONDITIONS

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

Condition 26: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal 16NYCRR 215

Item 26.1:

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 3: Maintenance of equipment
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal 6NYCRR 200.7

Item 3.1:

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

Condition 6: Recycling and Salvage
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal 6NYCRR 201-1.7

Item 6.1:

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 7: Prohibition of Reintroduction of Collected Contaminants to the Air
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 7.1:

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

Condition 9: Proof of Eligibility
Effective between the dates of 02/13/2002 and Permit Expiration Date



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Applicable Fe6NYCRR 201-3.2(a)

Item 9.1:

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 10: Proof of Eligibility

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Fe6NYCRR 201-3.3(a)

Item 10.1:

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 11:

Required emissions tests

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 11.1:

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

Condition 25:

Visible emissions limited.

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 211.3

Item 25.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

minute period per hour of not more than 57 percent opacity.

Condition 47: Recycling and Emissions Reduction
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 47.1:

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.

Condition Sealing

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.5

Item 1.1:

- (a) The commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the commissioner issued in the case of the violation. Sealing means labelling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.
- (b) No person shall operate any air contamination source sealed by the commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



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

Condition 2: Acceptable ambient air quality
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal/6NYCRR 200.6

Item 2.1:

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

Condition 4: Unpermitted Emission Sources
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal/6NYCRR 201-1.2

Item 4.1:

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

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

Emergency Defense

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.5

Item 5.1:

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;

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



properly operated;

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

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

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

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

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

Condition 8:

Public Access to Recordkeeping

Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 8.1:

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1) , and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

Condition 12:

Acceptable procedures - Stack test report submittal

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-1.3

Item 12.1:

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

Condition 13:

Permit requirements (facilities commencing operation on or after 01/00)

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 204-1.6



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Item 13.1: The NOx authorized account representative of each NOx budget unit shall submit to the Department a complete NOx Budget permit application (as defined under Section 204-3.3) by May 1, 2002 or 12 months before the date on which the NOx Budget unit commences operation.

Condition 14: Submissions to the Department.

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 204-2.1

Item 14.1: Each submission under the NOx Budget Trading Program shall be submitted, signed and certified by the NOx authorized account representative for each NOx Budget source on behalf of which the submission is made. Each submission shall include a certification statement (as stated in paragraph 204-2.1(e)(1)) by the NOx authorized account representative.

Condition 15: Contents of reports and compliance certifications.

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 204-4.1

Item 15.1: The NOx authorized account representative shall include in the compliance certification report the following elements, in a format prescribed by the Administrator, concerning each unit at the source and subject to the NOx Budget emissions limitation for the control period covered by the report:

(1) Identification of each NOx Budget unit; and

(2) In the compliance certification report the NOx authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the NOx Budget units at the source in compliance with the NOx Budget Trading Program, whether each NOx Budget unit for which the compliance certification is submitted was operated during the calendar year covered by the report in compliance with the requirements of the NOx Budget Trading Program applicable to the unit, including:

(i) Whether the unit was operated in compliance with the NOx Budget emissions limitation;

(ii) Whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute NOx emissions to the unit, in accordance with Subpart 204-8;

(iii) Whether all the NOx emissions from the unit, or a group of units (including the unit) using a common stack, were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 204-8. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions has been made;

(iv) Whether the facts that form the basis for certification under Subpart 204-8 of each monitor at the unit or a group of units (including the unit) using a common stack, or for using an excepted monitoring method or alternative monitoring method approved under Subpart 204-8, if any, has changed; and

(v) If a change is required to be reported under item (iv) above, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

Condition 16: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date
Applicable Federal Requirement: 6NYCRR 204-4.1

Item 16.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 16.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each control period in which one or more NOx Budget units at a source are subject to the NOx Budget emissions limitation, the NOx authorized account representative of the source shall submit to the Department and the Administrator by November 30 of that year, a compliance certification report for each source covering all such units.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 17: Submission of NOx allowance transfers.
Effective between the dates of 02/13/2002 and Permit Expiration Date
Applicable Federal Requirement: 6NYCRR 204-7.1

Item 17.1: The NOx authorized account representatives seeking recordation of a NOx allowance transfer shall submit the transfer to the Administrator. To be considered correctly submitted, the NOx allowance transfer shall include the following elements in a format specified by the Administrator:

- (a) The numbers identifying both the transferor and transferee accounts;
- (b) A specification by serial number of each NOx allowance to be transferred; and
- (c) The printed name and signature of the NOx authorized account representative of the transferor account and the date signed.

Condition 18: General provisions.
Effective between the dates of 02/13/2002 and Permit Expiration Date
Applicable Federal Requirement: 6NYCRR 204-8.1

Item 18.1: The owners and operators, and to the extent applicable, the NOx authorized account representative of a NOx Budget unit, shall comply with the monitoring and reporting requirements as



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

provided in this Subpart and in Subpart H of 40 CFR Part 75. For purposes of complying with such requirements, the definitions in Section 204-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be replaced by the terms "NOx Budget unit," "NOx authorized account representative," and "continuous emission monitoring system" (or "CEMS"), respectively, as defined in Section 204-1.2.

Condition 19: Prohibitions.
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 204-8.1

Item 19.1: No owner or operator of a NOx Budget unit or a non-NOx Budget unit monitored under 40 CFR 75.72(b)(2)(ii) shall:

(1) use any alternative monitoring system, alternative reference method, or any other alternative for the required continuous emission monitoring system without having obtained prior written approval in accordance with Section 204-8.6;

(2) operate the unit so as to discharge, or allow to be discharged, NOx emissions to the atmosphere without accounting for all such emissions in accordance with the applicable provisions of this Subpart and 40 CFR Part 75 except as provided for in 40 CFR 75.74;

(3) disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NOx mass emissions discharged into the atmosphere, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this Subpart and 40 CFR Part 75 except as provided for in 40 CFR 75.74; and

(4) permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved emission monitoring system under this Subpart, except under any one of the following circumstances:

(i) The owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this Subpart and 40 CFR Part 75, by the Department for use at that unit that provides emission data for the same pollutant or parameter as the discontinued monitoring system; or

(ii) The NOx authorized account representative submits notification of the date of certification testing of a replacement monitoring system in accordance with Paragraph 204-8.2(b)(2).

Condition 20: Requirements for installation, certification, and data accounting.
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 204-8.1

Item 20.1: The owner or operator of each NOx Budget unit must meet the following requirements. These provisions also apply to a unit for which an application for a NOx Budget opt-in permit is submitted and not denied or withdrawn, as provided in Subpart 204-9:

(1) Install all monitoring systems required under this Subpart for monitoring NOx mass. This includes



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

all systems required to monitor NO_x emission rate, NO_x concentration, heat input, and air or fuel flow, in accordance with 40 CFR 75.71 and 75.72.

- (2) Install all monitoring systems for monitoring heat input, if required under Section 204-8.7 for developing NO_x allowance allocations.
- (3) Successfully complete all certification tests required under Section 204-8.2 and meet all other provisions of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraphs (a)(1) and (2) of this section.
- (4) Record and report data from the monitoring systems under paragraphs (a)(1) and (2) of this section.

Condition 21: Requirements for recertification of monitoring systems.
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal/State Rule: 6NYCRR 204-8.2

Item 21.1: Whenever the owner or operator makes a replacement, modification, or change in a certified monitoring system that the Administrator or the Department determines significantly affects the ability of the system to accurately measure or record NO_x mass emissions or heat input or to meet the requirements of 40 CFR 75.21 or Appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system according to 40 CFR 75.20(b). Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit's operation that the Administrator or the Department determines to significantly change the flow or concentration profile, the owner or operator shall recertify the continuous emissions monitoring system according to 40 CFR 75.20(b). Examples of changes which require recertification include: replacement of the analyzer, change in location or orientation of the sampling probe or site, or changing of flow rate monitor polynomial coefficients.

Condition 22: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal/State Rule: 6NYCRR 204-8.2

Item 22.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 22.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a NO_x Budget unit under paragraphs (b)(2) or (b)(3) of this section must determine, record and report NO_x mass, heat input (if required for purposes of allocations) and any other values required to determine NO_x Mass (e.g. NO_x emission rate and heat input or NO_x concentration and stack flow) using the provisions of 40 CFR 75.70(g), from the date and hour that the unit starts operating until all required certification

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



tests are successfully completed.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 23: Out of control periods.
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 204-8.3

Item 23.1: Whenever any monitoring system fails to meet the quality assurance requirements of Appendix B of 40 CFR Part 75, data shall be substituted using the applicable procedures in Subpart D, Appendix D, or Appendix E of 40 CFR Part 75.

Condition 24: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 204-8.7

Item 24.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 24.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a unit that elects to monitor and report NO_x Mass emissions using a NO_x concentration system and a flow system shall also monitor and report heat input at the unit level using the procedures set forth in 40 CFR Part 75.

Monitoring Frequency: HOURLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 27: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Fe6NYCRR 225-1.7(c)

Item 27.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 27.2:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Part 225-1.7(c) requires that measurements must be made daily of the rate of each fuel burned. Also, the facility must measure the gross heat content and ash content of each fuel burned (determined at least once per week), and the average electrical output (daily) and hourly generation rate. This information must be retained by the source owner for a period of three years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 28:

Sampling, compositing, and analysis of fuel samples

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 225-1.8(d)

Item 28.1:

All sampling, compositing, and analysis of fuel samples, taken to determine compliance with 6 NYCRR Part 225-1, must be done in accordance with methods acceptable to the commissioner.

Condition 29:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 29.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 29.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 31: **EPA Region 2 address.**
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 31.1:

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
625 Broadway
Albany, NY 12233-3258

Condition 32: **Recordkeeping requirements.**
Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 32.1:

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.



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Condition 33: Excess emissions report.
Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 33.1:

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (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;
- 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 and 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 34: Excess emissions report.
Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 34.1:

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

Condition 35: Facility files for subject sources.
Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 35.1:

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

Condition 36: Performance testing timeline.
Effective between the dates of 02/13/2002 and Permit Expiration Date

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



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

Item 36.1:

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

Condition 37:

Performance test methods.

Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 37.1:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR 60 or by alternative methods and procedures approved by the Administrator.

Condition 38: Required performance test information.

Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 38.1:

Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operator of the facility.

Condition 39: Prior notice.

Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 39.1:

The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

Condition 40: Performance testing facilities.

Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 40.1:

The following performance testing facilities shall be provided during all tests:

- 1) sampling ports adequate for tests methods applicable to such facility;
- 2) a safe sampling platform;



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

Condition 41: Number of required tests.
Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 41.1:

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

Condition 42: Availability of information.
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.9, NSPS Subpart A

Item 42.1:

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by 40 CFR Part 2.

CCircumvention.
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 43.1:

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

Condition 30: Monitoring requirements.
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 30.1:

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

Condition 44: Modifications.
Effective between the dates of 02/13/2002 and Permit Expiration Date



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A

Item 44.1:

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

Condition 45: Reconstruction

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.15, NSPS Subpart A

Item 45.1:

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

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

Condition 46: Facility Subject to Title IV Acid Rain Regulations and Permitting

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Req40CFR 72

Item 46.1: This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is an attachment to this permit.

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

Condition 48: Compliance Demonstration



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal/State Regulations: 6NYCRR 201-7.1

Item 48.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 48.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE FACILITY SHALL LIMIT ITS AMMONIA SLIP EMISSIONS TO 5 PPMVD @ 15% O2 WHILE FIRING NATURAL GAS OR DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATORS AT OPERATING LOADS OF 50 PERCENT OF BASE LOAD AND ABOVE AND WITH OR WITHOUT SUPPLEMENTARY DUCT FIRING. A SURROGATE SYSTEM FOR DIRECT AMMONIA SLIP MONITORING CONTINUOUSLY MONITORS OXIDES OF NITROGEN BEFORE AND AFTER THE SCR AND CONTINUOUSLY MONITORS THE AMMONIA FEED RATE AND CALCULATES AMMONIA SLIP CONCENTRATION AFTER THE SCR.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 5 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: TO BE DETERMINED

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 49: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal/State Regulations: 6NYCRR 201-7.1



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Item 49.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):
COXIDES OF NITROGEN

Item 49.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE FACILITY SHALL LIMIT ITS NOX EMISSIONS TO 446.2 TONS PER YEAR ON A 12 MONTH ROLLING AVERAGE BASIS. REFER TO THE CALCULATIONS FOR THE METHOD OF DETERMINING THE MONTHLY TOTAL FACILITY NOX EMISSION RATE.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 446.2 tons per year

Reference Test Method: APPX A METHOD 19

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 50:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 50.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):
CAS No: PARTICULATES

Item 50.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

THE FACILITY SHALL LIMIT ITS PARTICULAR
MATTER EMISSIONS TO 462.0 TONS PER YEAR
ON A 12 MONTH ROLLING AVERAGE BASIS.
REFER TO THE ATTACHED CALCULATIONS FOR
THE METHOD OF DETERMINING THE MONTHLY
TOTAL FACILITY PARTICULATE MATTER

EMISSION RATE.

Parameter Monitored: FUEL

Upper Permit Limit: 462.0 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 51: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 51.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 51.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE FACILITY SHALL LIMIT ITS CO
EMISSIONS TO 219.0 TONS PER YEAR ON A 12
MONTH ROLLING AVERAGE BASIS. REFER TO
THE CALCULATIONS FOR THE METHOD OF
DETERMINING THE MONTHLY TOTAL FACILITY CO

EMISSION RATE.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 219 tons per year

Reference Test Method: APPX B AND F



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 52:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 52.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):
CAS No: 0NY075-0PM-10

Item 52.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

THE FACILITY SHALL LIMIT ITS PM 10
EMISSIONS TO 462.0 TONS PER YEAR ON A 12
MONTH ROLLING AVERAGE BASIS. REFER TO
THE ATTACHED CALCULATIONS FOR THE METHOD
OF DETERMINING THE MONTHLY FACILITY TOTAL
PM 10 EMISSION RATE.

Parameter Monitored: FUEL

Upper Permit Limit: 462.0 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 53:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Item 53.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 53.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

THE FACILITY SHALL LIMIT ITS VOC
EMISSIONS TO 56.3 TONS PER YEAR ON A 12
MONTH ROLLING AVERAGE BASIS. REFER TO
THE ATTACHED CALCULATIONS FOR THE METHOD
OF DETERMINING THE MONTHLY TOTAL FACILITY
VOC EMISSION RATE.

Parameter Monitored: FUEL

Upper Permit Limit: 56.3 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 54: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal/6NYCRR 201-7.1

Item 54.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Item 54.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

DUCT FIRING WILL OCCUR ONLY WHEN THE CTG
IS OPERATING @ 100% (BASE) LOAD, AS

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



MODELED IN THE APPLICATION.

Monitoring Frequency: HOURLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 55: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal/State Regulations: 6 NYCRR 201-7.1

Item 55.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

Item 55.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

THE FACILITY SHALL LIMIT ITS SULFURIC
ACID EMISSIONS TO 121.3 TONS PER YEAR ON
A 12 MONTH ROLLING AVERAGE BASIS. REFER
TO ATTACHED CALCULATIONS FOR THE METHOD
OF DETERMINING THE TOTAL MONTHLY FACILITY
SULFURIC ACID EMISSION RATE.

Manufacturer Name/Model Number: TO BE DETERMINED
Parameter Monitored: FUEL
Upper Permit Limit: 121.3 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 56: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Applicable Federal Requirement: 6NYCRR 201-7.1

Item 56.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):
CAS NSULFUR DIOXIDE

Item 56.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

THE FACILITY SHALL LIMIT ITS SO₂
EMISSIONS TO 314.8 TONS PER YEAR ON A 12
MONTH ROLLING AVERAGE BASIS. REFER TO
THE ATTACHED CALCULATIONS FOR THE METHOD
OF DETERMINING THE MONTHLY TOTAL FACILITY
SO₂ EMISSION RATE. THE SOURCE HAS
DEMONSTRATED NET SO₂ EMISSIONS LESS THAN
THE PSD SIGNIFICANT PROJECT THRESHOLD AND
THEREFORE "NETS" OUT OF FURTHER PSD
REVIEW.

Parameter Monitored: FUEL

Upper Permit Limit: 314.8 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 57:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 204-8.4

Item 57.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Item 57.2:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Authorized Account Representative for a NOx Budget unit shall submit written notice to the Department and the USEPA Administrator in accordance with the requirements of this subpart as follows:

All monitoring plans or monitoring plan modifications; compliance certifications, recertifications and quarterly QA/QC reports; and, petitions for alternative monitoring, shall be submitted to the USEPA Administrator (or his/her representatives) as well as two copies to the Department (one copy to the Regional Air Pollution Control Engineer (RAPCES) in the regional office and one one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office. All Authorized Account Representative changes shall be sent to the NYSDEC central office.

All quarterly emission data shall be electronically filed with the USEPA Clean Air Markets Division with a copy (disc or hard copy) to the NYSDEC offices.

The address for the USEPA Administrator is as follows:

USEPA Clean Air Markets Division
401 M Street SW (6204J)
Washington D.C. 20460

USEPA-Region 2
CEM Coordinator
2890 Woodbridge Avenue
Edison, N.J. 08837

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring and Enforcement
625 Broadway, 2nd Floor
Albany N.Y. 12233-3258

ACR changes should be sent to the attention of:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



NYSDEC
Stationary Source Planning Section
Bureau of Air Quality Planning
625 Broadway, 2nd Floor
Albany NY 12233-3251

The address for the RAPCE is as follows:

1150 North Westcott Road
Schenectady, NY 12301-2014

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 58:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 225-1.8(a)

Item 58.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Item 58.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE PERMITTEE SHALL RETAIN FUEL OIL SUPPLIER CERTIFICATIONS FOR EACH SHIPMENT OF OIL RECEIVED. SUCH CERTIFICATIONS SHALL CONTAIN, AS A MINIMUM: SUPPLIER NAME, DATE OF SHIPMENT, QUANTITY SHIPPED, OIL SULFUR CONTENT, AND THE METHOD USED TO DETERMINE THE SULFUR CONTENT. SUCH CERTIFICATIONS SHALL BE AVAILABLE FOR INSPECTION BY, OR SUBMITTAL TO, NYSDEC UPON REQUEST.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Condition 59: Part 231-2 Netting

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 231-2.6

Item 59.1:

This Condition applies to Emission Unit: U-00010

Item 59.2:

The Bethlehem Energy Center (BEC) shall obtain Emission Reduction Credits (ERCs) for both NOx and VOC to be used in a net emission increase determination of non-applicability.

The BEC will obtain the required ERCs from the future shutdown of the existing emission units (U-00001, U-00002, U-00003, U-00004) at the Albany Steam Station (DEC ID# 4-0122-00044).

The amount of required ERCs are as follows; NOX=446.2 tons/year and VOC=23.7 tons/year.

Condition 60: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 60.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: PARTICULATES

Item 60.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

EMISSIONS SHALL BE CALCULATED MONTHLY BASED ON MONITORED CIRCULATING RATE, AS BUILT DRIFT ELIMINATION EFFICIENCY, AND TDS/TSS CONCENTRATION IN CIRCULATING WATER REFERENCED IN APPLICATION. A 12 MONTH ROLLING TOTAL EMISSION RATE SHALL BE COMPUTED BASED ON THE MONTHLY

CALCULATED RATE.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: WATER



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Upper Permit Limit: 175,000 gallons per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 61:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 61.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 61.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

EMISSIONS SHALL BE CALCULATED MONTHLY BASED ON MONITORED CIRCULATING RATE, AS BUILT DRIFT ELIMINATION EFFICIENCY, AND TDS/TSS CONCENTRATION IN CIRCULATING WATER REFERENCED IN APPLICATION. A 12 MONTH ROLLING TOTAL EMISSION RATE SHALL BE COMPUTED BASED ON THE MONTHLY CALCULATED RATES.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: WATER

Upper Permit Limit: 175,000 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 62:

Compliance Demonstration



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 62.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Item 62.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 63:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 63.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Item 63.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Subsequent reports are due every 6 calendar month(s).

Condition 64: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 64.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Item 64.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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 NO_x 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.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 65: Custom fuel monitoring for nitrogen and sulfur content.

Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 65.1:

This Condition applies to Emission Unit: U-00010

Item 65.2:

The owner or operator of any stationary gas turbine subject to the provisions of this subpart shall monitor sulfur content and nitrogen content of the fuel being fired in the turbine. Owners, operators, or fuel vendors may develop custom schedules for determination of the values based on the design and operation of the affected facility and the characteristics of the fuel supply. These custom schedules shall be substantiated with data and must be approved by the Administrator before they can be used to comply with the requirements of this Section.

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Condition 66: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 66.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 66.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS VOC EMISSIONS FROM EACH COMBUSTION TURBINE GENERATOR TO 2.3 LB/HR WHILE FIRING NATURAL GAS. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE 1 HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PROGRAM.

Upper Permit Limit: 2.3 pounds per hour

Reference Test Method: METHOD 25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 67: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 67.1:

The Compliance Demonstration activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Emission Unit: U-00010

Process: CT1

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 67.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS H₂SO₄ EMISSIONS FROM EACH COMBUSTION TURBINE GENERATOR TO 0.7 LB/HR WHILE FIRING NATURAL GAS IN THE COMBUSTION TURBINE GENERATOR. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT RENEWAL. THE SOURCE HAS DEMONSTRATED NET H₂SO₄ EMISSIONS LESS THAN THE PSD SIGNIFICANT PROJECT THRESHOLD AND THEREFORE "NETS" OUT OF FURTHER PSD REVIEW.

Upper Permit Limit: 0.7 pounds per hour

Reference Test Method: APPX. B METHOD 8

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 68:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 68.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT1

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



COXIDES OF NITROGEN

Item 68.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE FACILITY SHALL LIMIT ITS NOX EMISSIONS FROM EACH COMBUSTION TURBINE GENERATOR TO 14.59 LB/HR AND 2 PPMVD @ 15% O2 WHILE FIRING NATURAL GAS. EMISSIONS SHALL BE MONITORED AND RECORDED ON A CONTINUOUS BASIS WITH A CEM SYSTEM.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 14.59 pounds per hour

Reference Test Method: APPX. B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 69: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal/State Regulations: 6 NYCRR 201-7.1

Item 69.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT1

Regulated Contaminant(s):

C CARBON MONOXIDE

Item 69.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE FACILITY SHALL LIMIT ITS CO EMISSIONS FROM EACH COMBUSTION TURBINE GENERATOR TO 3 PPMVD @ 15% O2 WHILE FIRING NATURAL GAS. EMISSIONS SHALL BE

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



MONITORED AND RECORDED ON A CONTINUOUS BASIS WITH A CEM.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 3 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: APP. B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 70: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 70.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT1

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 70.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE FACILITY SHALL LIMIT ITS CO EMISSIONS FROM EACH COMBUSTION TURBINE GENERATOR TO 13.7 LB/HR WHILE FIRING NATURAL GAS. EMISSIONS SHALL BE MONITORED AND RECORDED ON A CONTINUOUS BASIS WITH A CEM.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 13.7 pounds per hour

Reference Test Method: APP. B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 71: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 71.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010
Process: CT1

Regulated Contaminant(s):
CAS No: 0NY998-00VOC

Item 71.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS VOC EMISSIONS FROM EACH COMBUSTION TURBINE GENERATOR TO 0.0012 LBS/MMBTU WHILE FIRING NATURAL GAS. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE 1 HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PROGRAM.

Upper Permit Limit: 0.0012 pounds per million Btus
Reference Test Method: APPX. A METHOD 25A
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 72: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 72.1:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT1

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 72.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS PM 10 EMISSIONS FROM EACH UNIT TO 18.5LB/HR WHILE FIRING NATURAL GAS @ FULL LOAD IN THE COMBUSTION TURBINE GENERATOR. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT RENEWAL.

Upper Permit Limit: 18.5 pounds per hour

Reference Test Method: RM 201/201A AND 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 73:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 73.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT1

Regulated Contaminant(s):

CAS No: 0NY075-0PM-10

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Item 73.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS PM 10 EMISSIONS FROM EACH UNIT TO 18.8 LB/HR WHILE FIRING NATURAL GAS @ 50-75% LOAD IN THE COMBUSTION TURBINE GENERATOR. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT RENEWAL.

Upper Permit Limit: 18.8 pounds per hour

Reference Test Method: RM 201/201A AND 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 74: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal/State Regulations: 6 NYCRR 201-7.1

Item 74.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT2

Regulated Contaminant(s):

CAS NSULFUR DIOXIDE

Item 74.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE FACILITY SHALL NOT FIRE DISTILLATE

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



OIL IN THE GAS TURBINES WITH A SULFUR CONTENT GREATER THAN 0.04 PERCENT BY WEIGHT. THE FACILITY SHALL RETAIN FUEL SUPPLIER CERTIFICATIONS FROM EACH SHIPMENT OF FUEL RECEIVED. CERTIFICATIONS SHALL BE AVAILABLE FOR INSPECTION BY OR SUBMITTED TO THE REGULATORY AGENCY AS REQUIRED. THE SOURCE HAS DEMONSTRATED NET SO₂ EMISSIONS LESS THAN THE PSD SIGNIFICANT PROJECT THRESHOLD AND THEREFORE "NETS" OUT OF FURTHER PSD REVIEW.

Reference Test Method: ASTM

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 75:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 75.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT2

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 75.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS VOC EMISSIONS FROM EACH COMBUSTION TURBINE GENERATOR TO 5.56 LB/HR WHILE FIRING DISTILLATE OIL. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE 1

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PROGRAM.

Upper Permit Limit: 5.56 pounds per hour
Reference Test Method: METHOD 25A
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 76: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 76.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010
Process: CT2

Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

Item 76.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS H₂SO₄ EMISSIONS FROM EACH COMBUSTION TURBINE GENERATOR TO 48.8 LB/HR WHILE FIRING DISTILLATE OIL. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT RENEWAL. THE SOURCE HAS DEMONSTRATED NET H₂SO₄ EMISSIONS LESS THAN THE PSD SIGNIFICANT PROJECT THRESHOLD AND THEREFORE "NETS" OUT OF FURTHER PSD REVIEW.

Manufacturer Name/Model Number: TO BE DETERMINED



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Upper Permit Limit: 48.8 pounds per hour
Reference Test Method: APPX. B METHOD 8
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 77: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal/State Regulations: 6 NYCRR 201-7.1

Item 77.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010
Process: CT2

Regulated Contaminant(s):
OXIDES OF NITROGEN

Item 77.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE FACILITY SHALL LIMIT ITS NOX
EMISSIONS FROM EACH COMBUSTION TURBINE
GENERATOR TO 74.1 LB/HR AND 9.0 PPMVD @
15% O2 WHILE FIRING DISTILLATE FUEL.
EMISSIONS SHALL BE MONITORED AND RECORDED
ON A CONTINUOUS BASIS WITH A CEM SYSTEM.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 74.1 pounds per hour
Reference Test Method: APPX. B AND F
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 78: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Applicable Federal Requirement: 6NYCRR 201-7.1

Item 78.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT2

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 78.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE FACILITY SHALL LIMIT ITS CO EMISSIONS FROM EACH COMBUSTION TURBINE GENERATOR TO 18.0 LB/HR OR 7 PPMVD @ 15% O2 WHILE FIRING DISTILLATE OIL. EMISSIONS SHALL BE MONITORED AND RECORDED ON A CONTINUOUS BASIS WITH A CEM SYSTEM. THE SOURCE HAS DEMONSTRATED NET CO EMISSIONS LESS THAN THE PSD SIGNIFICANT PROJECT THRESHOLD AND THEREFORE "NETS" OUT OF FURTHER PSD REVIEW.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 18.0 pounds per hour

Reference Test Method: APPX. B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 79: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 79.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Process: CT2

Regulated Contaminant(s):

CAS No: 0NY998-00VOC

Item 79.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS VOC EMISSIONS FROM EACH COMBUSTION TURBINE GENERATOR TO 0.0029 LB/MMBTU WHILE FIRING DISTILLATE OIL. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE 1 HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V PERMIT PROGRAM.

Upper Permit Limit: 0.0029 pounds per million Btus

Reference Test Method: APPX. A, METHOD 25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 80: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 80.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT2

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 80.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Monitoring Description:

THE FACILITY SHALL LIMIT ITS PM-10 EMISSIONS FROM EACH UNIT TO 0.052 LB/MMBTU WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ 75-100% OPERATIONAL LOAD WITHOUT DUCT BURNER FIRING. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

Upper Permit Limit: 0.052 pounds per million Btus

Reference Test Method: RM 201/201A AND 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 81: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 81.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 81.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS PARTICULATES EMISSIONS FROM EACH UNIT TO 0.034 LB/MMBTU WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ FULL OPERATIONAL LOAD WITHOUT DUCT



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

BURNER FIRING. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

Upper Permit Limit: 0.034 pounds per million Btus
Reference Test Method: APPX. A, METHOD 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 82: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 82.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010
Process: CT2

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 82.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
THE FACILITY SHALL LIMIT ITS PM 10 EMISSIONS FROM EACH UNIT TO 99.7 LB/HR WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ 50-75% OPERATIONAL LOAD WITHOUT DUCT BURNER FIRING. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Upper Permit Limit: 99.7 pounds per hour
Reference Test Method: RM 201/201A AND 202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 83: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 83.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010
Process: CT2

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 83.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
THE FACILITY SHALL LIMIT ITS PM 10
EMISSIONS FROM EACH UNIT TO 82.5 LB/HR
WHILE FIRING DISTILLATE OIL IN THE
COMBUSTION TURBINE GENERATOR @ 75-100%
OPERATIONAL LOAD WITHOUT DUCT BURNER
FIRING. EMISSIONS SHALL BE VERIFIED
THROUGH PERIODIC STACK TESTING. LIMIT IS
BASED ON THE AVERAGE OF THREE ONE HOUR
TESTS. TESTING SHALL BE CONDUCTED ONCE
EVERY FIVE YEARS AS PART OF THE TITLE V
OPERATING PERMIT PROGRAM.

Upper Permit Limit: 82.5 pounds per hour
Reference Test Method: RM 201/201A AND 202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 84: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 84.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT2

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 84.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS PM 10 EMISSIONS FROM EACH UNIT TO 67.5 LB/HR WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ FULL OPERATIONAL LOAD WITHOUT DUCT BURNER FIRING. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

Upper Permit Limit: 67.5 pounds per hour

Reference Test Method: RM 201/201A AND 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 85:

Compliance Demonstration



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 85.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT2

Regulated Contaminant(s):

CAS No: 0NY075-0PM-10

Item 85.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS PM 10 EMISSIONS FROM EACH UNIT TO 0.080 LB/MMBTU WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ 50-75% OPERATIONAL LOAD WITHOUT DUCT BURNER FIRING. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

Upper Permit Limit: 0.080 pounds per million Btus

Reference Test Method: RM 201/201A AND 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 86: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 86.1:

The Compliance Demonstration activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Emission Unit: U-00010

Process: CT2

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 86.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS PM 10 EMISSIONS FROM EACH UNIT TO 0.034 LB/MMBTU WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ FULL OPERATIONAL LOAD WITHOUT DUCT BURNER FIRING. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

Upper Permit Limit: 0.034 pounds per million Btus

Reference Test Method: RM 201/201A AND 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 87: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 87.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Item 87.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS PARTICULATES EMISSIONS FROM EACH UNIT TO 99.7 LB/HR WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ 50-75% OPERATIONAL LOAD WITHOUT DUCT BURNER FIRING. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

Upper Permit Limit: 99.7 pounds per hour

Reference Test Method: APPX. A, METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 88: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 88.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 88.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



THE FACILITY SHALL LIMIT ITS PARTICULATES EMISSIONS FROM EACH UNIT TO 82.5 LB/HR WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ 75-100% OPERATIONAL LOAD WITHOUT DUCT BURNER FIRING. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

Upper Permit Limit: 82.5 pounds per hour
Reference Test Method: APPX. A, METHOD 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 89: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 89.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010
Process: CT2

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 89.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
THE FACILITY SHALL LIMIT ITS PARTICULATES EMISSIONS FROM EACH UNIT TO 67.5 LB/HR WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ FULL OPERATIONAL LOAD WITHOUT DUCT BURNER FIRING. EMISSIONS SHALL BE VERIFIED

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

Upper Permit Limit: 67.5 pounds per hour
Reference Test Method: APPX. A, METHOD 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 90: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 90.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010
Process: CT2

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 90.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
THE FACILITY SHALL LIMIT ITS PARTICULATES EMISSIONS FROM EACH UNIT TO 0.052 LB/MMBTU WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ 75-100% OPERATIONAL LOAD WITHOUT DUCT BURNER FIRING. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Upper Permit Limit: 0.052 pounds per million Btus
Reference Test Method: APPX. A, METHOD 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 91: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 91.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010
Process: CT2

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 91.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
THE FACILITY SHALL LIMIT ITS PARTICULATE EMISSIONS FROM EACH UNIT TO 0.080 LB/MMBTU WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ 50-75% OPERATIONAL LOAD WITHOUT DUCT BURNER FIRING. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

Upper Permit Limit: 0.080 pounds per million Btus
Reference Test Method: APPX. A, METHOD 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 92: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal/State Regulations: 6 NYCRR 201-7.1

Item 92.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010
Process: CT3

Regulated Contaminant(s):
CAS No. SULFURIC ACID

Item 92.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS H₂SO₄ EMISSIONS FROM EACH UNIT TO 0.4LB/HR WHILE FIRING NATURAL GAS IN THE COMBUSTION TURBINE GENERATOR AND THE DUCT BURNER. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT RENEWAL. THE SOURCE HAS DEMONSTRATED NET H₂SO₄ EMISSIONS LESS THAN THE PSD SIGNIFICANT PROJECT THRESHOLD AND THEREFORE "NETS" OUT OF FURTHER PSD REVIEW.

Upper Permit Limit: 0.4 pounds per hour
Reference Test Method: APPX. A METHOD 8
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Condition 93: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 93.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT3

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 93.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS VOC EMISSIONS FROM EACH UNIT TO 3.1 LB/HR WHILE FIRING NATURAL GAS IN THE COMBUSTION TURBINE GENERATOR AND IN THE DUCT BURNER. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE 1 HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V

OPERATING PROGRAM.

Upper Permit Limit: 3.1 pounds per hour

Reference Test Method: APPX. A, METHOD 25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 94: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 94.1:

The Compliance Demonstration activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Emission Unit: U-00010

Process: CT3

Regulated Contaminant(s):

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

Item 94.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE FACILITY SHALL LIMIT ITS NOX EMISSIONS FROM EACH UNIT TO 15.02 LB/HR AND 2 PPMVD @ 15% O2 WHILE FIRING NATURAL GAS IN THE COMBUSTION TURBINE GENERATORS AND DUCT BURNERS. EMISSIONS SHALL BE MONITORED AND RECORDED ON A CONTINUOUS BASIS WITH A CEM SYSTEM

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 15.02 pounds per hour

Reference Test Method: APPX. B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 95:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 95.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT3

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 95.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Monitoring Description:

THE FACILITY SHALL LIMIT ITS CO EMISSIONS FROM EACH COMBUSTION TURBINE GENERATOR TO 3 PPMVD @ 15% O2 WHILE FIRING NATURAL GAS IN THE COMBUSTION TURBINE AND DUCT BURNER. EMISSIONS SHALL BE MONITORED AND RECORDED ON A CONTINUOUS BASIS WITH A CEM.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 3 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: APP. B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 96:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 96.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT3

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 96.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE FACILITY SHALL LIMIT ITS CO EMISSIONS FROM EACH COMBUSTION TURBINE GENERATOR TO 13.7 LB/HR WHILE FIRING NATURAL GAS IN THE COMBUSTION TURBINE AND DUCT BURNER. EMISSIONS SHALL BE MONITORED AND RECORDED ON A CONTINUOUS

BASIS WITH A CEM.



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Manufacturer Name/Model Number: TO BE DETERMINED
Upper Permit Limit: 13.7 pounds per hour
Reference Test Method: APP. B AND F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 97: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal/State Rule: 6NYCRR 201-7.1

Item 97.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010
Process: CT3

Regulated Contaminant(s):
CAS No: 0NY998-00VOC

Item 97.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
THE FACILITY SHALL LIMIT ITS VOC EMISSIONS FROM EACH UNIT TO 0.0016 LB/MMBTU WHILE FIRING NATURAL GAS IN THE COMBUSTION TURBINE GENERATOR AND IN THE DUCT BURNER. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE 1 HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PROGRAM.

Upper Permit Limit: 0.0016 pounds per million Btus
Reference Test Method: APPX. A, METHOD 25A
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Subsequent reports are due every 6 calendar month(s).

Condition 98: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 98.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT3

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 98.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS PM 10 EMISSIONS FROM EACH UNIT TO 19.9 LB/HR WHILE FIRING NATURAL GAS @ FULL LOAD IN THE COMBUSTION TURBINE GENERATOR AND DUCT BURNER. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT RENEWAL.

Upper Permit Limit: 19.9 pounds per hour

Reference Test Method: PM 201/201A AND 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 99: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Item 99.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT4

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 99.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE FACILITY SHALL NOT FIRE DISTILLATE OIL IN THE GAS TURBINES WITH A SULFUR CONTENT GREATER THAN 0.04 PERCENT BY WEIGHT. THE FACILITY SHALL RETAIN FUEL SUPPLIER CERTIFICATIONS FROM EACH SHIPMENT OF FUEL RECEIVED. CERTIFICATIONS SHALL BE AVAILABLE FOR INSPECTION BY OR SUBMITTED TO THE REGULATORY AGENCY AS REQUIRED. THE SOURCE HAS DEMONSTRATED NET SO₂ EMISSIONS LESS THAN THE PSD SIGNIFICANT PROJECT THRESHOLD AND THEREFORE "NETS" OUT OF FURTHER PSD REVIEW.

Reference Test Method: ASTM

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 100:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 100.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT4



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Regulated Contaminant(s):
CAS No: 0NY998-00VOC

Item 100.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS VOC EMISSIONS FROM EACH UNIT TO 6.4 LB/HR WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR AND NATURAL GAS IN THE DUCT BURNER. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE 1-HR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

Upper Permit Limit: 6.4 pounds per hour

Reference Test Method: APPX. A, METHOD 25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 101: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal NYCRR 201-7.1

Item 101.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT4

Regulated Contaminant(s):

CAS No: SULFURIC ACID

Item 101.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Monitoring Description:

THE FACILITY SHALL LIMIT ITS H₂SO₄ EMISSIONS FROM EACH UNIT TO 24.9 LB/HR WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR AND NATURAL GAS IN THE DUCT BURNER. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE-HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT RENEWAL. THE SOURCE HAS DEMONSTRATED NET H₂SO₄ EMISSIONS LESS THAN THE PSD SIGNIFICANT PROJECT THRESHOLD AND THEREFORE "NETS" OUT OF FURTHER PSD

REVIEW.

Manufacturer Name/Model Number: TO BE DETERMINED
Upper Permit Limit: 24.9 pounds per hour
Reference Test Method: APPX. A METHOD 8
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 102: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 102.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010
Process: CT4

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

Item 102.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE FACILITY SHALL LIMIT ITS NOX

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



EMISSIONS FROM EACH UNIT TO 75.99 LB/HR
AND 9 PPMVD @ 15% O2 WHILE FIRING
DISTILLATE OIL IN THE COMBUSTION TURBINE
GENERATORS AND NATURAL GAS IN THE DUCT
BURNERS. EMISSIONS SHALL BE MONITORED
AND RECORDED ON A CONTINUOUS BASIS.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 76.0 pounds per hour

Reference Test Method: APPX. B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

Subsequent reports are due every 3 calendar month(s).

Condition 103:

Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.1

Item 103.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT4

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 103.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE FACILITY SHALL LIMIT ITS CO
EMISSIONS FROM EACH UNIT TO 25.3 LB/HR
AND 5 PPMVD @ 15% O2 WHILE FIRING
DISTILLATE OIL IN THE COMBUSTION TURBINE
GENERATOR AND NATURAL GAS IN THE DUCT
BURNER. EMISSIONS SHALL BE MONITORED AND
RECORDED ON A CONTINUOUS BASIS. THE
SOURCE HAS DEMONSTRATED NET CO EMISSIONS
LESS THAN THE PSD SIGNIFICANT PROJECT
THRESHOLD AND THEREFORE "NETS" OUT OF
FURTHER PSD REVIEW.

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Manufacturer Name/Model Number: TO BE DETERMINED
Upper Permit Limit: 25.3 pounds per hour
Reference Test Method: APPX. B AND F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 104: Compliance Demonstration
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal/State Regulations: 6NYCRR 201-7.1

Item 104.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010
Process: CT4

Regulated Contaminant(s):
CAS No: 0NY998-00VOC

Item 104.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
THE FACILITY SHALL LIMIT ITS VOC EMISSIONS FROM EACH UNIT TO 0.0031 LB/MMBTU WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR AND NATURAL GAS IN THE DUCT BURNER. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE 1-HR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

Upper Permit Limit: 0.0031 pounds per million Btus
Reference Test Method: APPX. A, METHOD 25A
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 105: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 105.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT4

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 105.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS PM-10 EMISSIONS FROM EACH UNIT TO 0.038 LB/MMBTU WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ FULL LOAD WITH THE THE DUCT BURNERS FIRING NATURAL GAS. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

Upper Permit Limit: 0.038 pounds per million Btus

Reference Test Method: RM 201/201A AND 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 106:

Compliance Demonstration



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 106.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT4

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 106.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS PM 10 EMISSIONS FROM EACH UNIT TO 77.4 LB/HR WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ FULL LOAD WITH THE THE DUCT BURNERS FIRING. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

Upper Permit Limit: 77.4 pounds per hour

Reference Test Method: RM 201/201A AND 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 107: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 107.1:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT4

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 107.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS PARTICULATES EMISSIONS FROM EACH UNIT TO 77.4 LB/HR WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ FULL LOAD WITH THE THE DUCT BURNERS FIRING. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT PROGRAM.

Upper Permit Limit: 77.4 pounds per hour

Reference Test Method: APPX. A, METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 108: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 108.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: CT4



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

Regulated Contaminant(s):
CAS No: PARTICULATES

Item 108.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE FACILITY SHALL LIMIT ITS PARTICULATES EMISSIONS FROM EACH UNIT TO 0.038 LB/MMBTU WHILE FIRING DISTILLATE OIL IN THE COMBUSTION TURBINE GENERATOR @ FULL LOAD WITH THE THE DUCT BURNERS FIRING. EMISSIONS SHALL BE VERIFIED THROUGH PERIODIC STACK TESTING. LIMIT IS BASED ON THE AVERAGE OF THREE ONE HOUR TESTS. TESTING SHALL BE CONDUCTED ONCE EVERY FIVE YEARS AS PART OF THE TITLE V OPERATING PERMIT RENEWAL.

Upper Permit Limit: 0.038 pounds per million Btus

Reference Test Method: APPX. A, METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 109: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 109.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: P61

Emission Source: FDRYE

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 109.2:

Compliance Demonstration shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE FACILITY WILL OPERATE TWO NATURAL GAS FUEL DRYERS WITH A MAXIMUM HEAT INPUT OF 3 MMBTU/HR EACH. THE FACILITY SHALL MAINTAIN OPERATIONAL RECORDS THAT WILL INCLUDED BUT NOT LIMITED TO; PREVENTATIVE MAINTENANCE RECORDS, HOURS OF OPERATION AND FUEL USE, AND MANUFACTURE'S EMISSION TESTING RECORDS (GUARANTEEING PARTICULATE/PM-10 EMISSIONS OF 0.225 LB/HR AND 0.075 LB/MMBTU FOR EACH UNIT).

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 110: Compliance Demonstration

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 110.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

Process: P61

Emission Source: FDRYE

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 110.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE FACILITY WILL OPERATE TWO NATURAL GAS FUEL DRYERS WITH A MAXIMUM HEAT INPUT OF 3 MMBTU/HR EACH. THE FACILITY SHALL MAINTAIN OPERATIONAL RECORDS THAT WILL INCLUDED BUT NOT LIMITED TO; PREVENTATIVE MAINTENANCE RECORDS, HOURS OF OPERATION AND FUEL USE, AND MANUFACTURE'S EMISSION TESTING RECORDS (GUARANTEEING

New York State Department of Environmental Conservation
Permit ID: 4-0122-00044/00021 Facility DEC ID: 4012200044



PARTICULATE/PM-10 EMISSIONS OF 0.225
LB/HR AND 0.075 LB/MMBTU FOR EACH UNIT).

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).



STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

Condition 111: Unavoidable noncompliance and violations
Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 111.1:

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

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. 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. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent

than those above.

(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



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

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.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 112: General Provisions

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable State R6NYCRR 201-5

Item 112.1:

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 112.2:

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 112.3:

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 113: Permit Exclusion Provisions

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 113.1:

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

The issuance of this permit by the Department and the receipt thereof by the Applicant does not



New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044

supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by this permit.

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

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

Condition 114: Emission Unit Definition

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable State R6NYCRR 201-5

Item 114.1:

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

EmissionU-00010

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF THREE POWER TRAINS AND ANCILLIARY EQUIPMENT. EACH POWER TRAIN CONSISTS OF A GENERAL ELECTRIC FRAME 7FA COMBUSTION TURBINE GENERATOR (CTG) AND A SUPPLEMENTARY FIRED HEAT RECOVERY STEAM GENERATOR (HRSG). THE CTG WILL FIRE NATURAL GAS; LOW SULFUR (0.04% MAXIMUM) DISTILLATE OIL WILL BE THE SECONDARY FUEL. THE HRSG DUCT BURNERS WILL FIRE ONLY NATURAL GAS. ALTHOUGH THE FOLLOWING SOURCE WOULD NORMALLY BE EXEMPT UNDER TITLE V, EMISSIONS FROM THESE SOURCES ARE INCLUDED IN THE EMISSION UNIT EMISSIONS SUMMARY BECAUSE THE PROJECT IS SUBJECT TO NEW SOURCE REVIEW: A 12-CELL PLUME ABATEMENT MECHANICAL DRAFT COOLING TOWER (20 DEGREES F/85% RH DESIGN POINT) WITH 99.9995% EFFICIENT DRIFT ELIMINATORS. TWO 3 MMBTU/HR NATURAL GAS FIRED FUEL DRYERS. CONVERSION OF AN EXISTING APPROXIMATELY 9.4 MILLION GALLON (224,000 BARREL) RESIDUAL OIL STORAGE TANK TO A DISTILLATE OIL

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



STORAGE TANK. A NEW APPROXIMATELY 9.4 MILLION GALLON (224,000 BARREL) DISTILLATE OIL STORAGE TANK AND CONVERSION OF AN EXISTING APPROXIMATELY 1.1 MILLION GALLON (27,000 BARREL) DIESEL OIL STORAGE TANK TO A DISTILLATE OIL STORAGE TANK. IN ADDITION, COMPLIANCE DEMONSTRATIONS FOR PARTICULATE MATTER AND PM 10 EMISSIONS FROM THE COOLING TOWER AND FUEL DRYERS ARE PROVIDED BECAUSE THE PROJECT IS SUBJECT TO PSD REVIEW FOR THESE COMPOUNDS.

Building(s): CTG HRSG
GAS SPIPE
WCTOWER

Contaminant List

Effective between the dates of 02/13/2002 and Permit Expiration Date

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

Item 115.1:

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

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 007664-93-9

Name: SULFURIC ACID

CAS No: 0NY998-00-0

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Name: VOC

Condition 116:

Air pollution prohibited

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 116.1:

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 117:

Emission Point Definition By Emission Unit

Effective between the dates of 02/13/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 117.1:

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

Emission Unit: U-00010

Emission PST001

Height (ft.): 248 Diameter (in.): 228
NYTMN (km.): 4716.259 NYTME (km.): 601.388 Building: CTG HRSG

Emission Point: ST002

Height (ft.): 248 Diameter (in.): 228
NYTMN (km.): 4716.223 NYTBuilding: CTG HRSG

Emission Point: ST003

Height (ft.): 248 Diameter (in.): 228
NYTMN (km.): 4716.187 NYTME (km.): 601.403 Building: CTG HRSG

Emission PST004

Height (ft.): 26 Diameter (in.): 9
NYTMN (km.): 4716.544 NYTME (km.): 601.298 Building: GAS SPIPE

Emission Point: ST005

Height (ft.)Diameter (in.): 9

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



NYTMN (km.): 4716.544 NYTME (km.): 601.298 Building: GAS SPIPE

Emission PST006

Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.359 NYTME (km.): 601.267 Building: WCTOWER

Emission Point: ST007

Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.347 NYTBuiding: WCTOWER

Emission Point: ST008

Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.334 NYTME (km.): 601.273 Building: WCTOWER

Emission PST009

Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.323 NYTME (km.): 601.275 Building: WCTOWER

Emission Point: ST010

Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.311 NYTBuiding: WCTOWER

Emission Point: ST011

Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.3 NYTME (km.): 601.281 Building: WCTOWER

Emission PST012

Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.288 NYTME (km.): 601.283 Building: WCTOWER

Emission Point: ST013

Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.277 NYTBuiding: WCTOWER

Emission Point: ST014

Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.264 NYTME (km.): 601.288 Building: WCTOWER

Emission PST015

Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.253 NYTME (km.): 601.29 Building: WCTOWER

Emission Point: ST016

Height (ft.): 70 Diameter (in.): 384
NYTMN (km.): 4716.241 NYTBuiding: WCTOWER

Emission Point: ST017

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Control Type: CATALYTIC OXIDATION

Emission Source/Control: WATRI - Control

Control Type: STEAM OR WATER INJECTION

Item 118.3:

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

Emission Unit: U-00010

Process: CT3

Source Classification Code: 2-01-002-01

Process Description:

NATURAL GAS BURNED IN THE COMBUSTION
TURBINE GENERATORS WITH NATURAL GAS FIRED
DUCT BURNERS.

Emis:CTUR3 - Combustion

Design Capacity: 1,988.1 million Btu per hour

Emission Source/Control: DBURN - Combustion

Design Capacity: 58.8 million Btu per hour

Emission Source/Control: 00DLN - Control

Control Type: DRY LOW NO_x BURNER

Emission S00SCR - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: OXCAT - Control

Control Type: CATALYTIC OXIDATION

Item 118.4:

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

Emission Unit: U-00010

Process: CT4

Source Classification Code: 2-01-001-01

Process Description:

DISTILLATE OIL BURNED IN THE COMBUSTION
TURBINE GENERATORS WITH NATURAL GAS FIRED
DUCT BURNERS.

Emission Source/Control: CTUR4 - Combustion

Design Capacity: 2,107.9 million Btu per hour

Emi:DBURN - Combustion

Design Capacity: 58.8 million Btu per hour

Emission Source/Control: 00SCR - Control

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00021

Facility DEC ID: 4012200044



Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

EmissionOXCAT - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: WATRI - Control

Control Type: STEAM OR WATER INJECTION

Item 118.5:

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

Emission Unit: U-00010

Process: P61

Source Classification Code: 1-02-006-03

Process Description:

TWO NATURAL GAS FUEL DRYERS WITH A NATURAL GAS FLOW OF 2,927 STANDARD CUBIC FEET PER HOUR EACH AND A MAXIMUM HEAT INPUT OF 3 MMBTU PER HOUR EACH ASSUMING A HEAT CONTENT OF 1025 BTU PER CUBIC FEET.

Emission Source/Control: FDRYE - Combustion

Design Capacity: 3 million Btu per hour

Item 118.6:

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

Emission Unit: U-00010

Process: P71

Source Classification Code: 3-85-001-01

Process Description:

A 12-CELL PLUME ABATEMENT MECHANICAL DRAFT COOLING TOWER (20 DEGREES F/85% RH DESIGN POINT) WITH 99.9995% EFFICIENT DRIFT ELIMINATORS.

Emission Source/Control: DELIM - Control

Control Type: MIST ELIMINATOR

EmissionCTOWE - Process

Design Capacity: 175,000 gallons per minute