

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 6405800046**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 6-4058-00046/00009  
Mod 0 Effective Date: 10/19/1999 Expiration Date: 10/19/2004  
Mod 1 Effective Date: 01/06/2004 Expiration Date: 10/19/2004

Permit Issued To: POWER CITY PARTNERS LP  
335 MADISON AVE 28TH FL  
NEW YORK, NY 10017

Contact: REEVES ADAIR  
MASSENA ENERGY FACILITY  
ALCOA POWER CANAL ROAD  
MASSENA, NY 13662  
(315) 764-7003

Facility: MASSENA ENERGY FACILITY  
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Contact: REEVES ADAIR  
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ALCOA POWER CANAL ROAD  
MASSENA, NY 13662  
(315) 764-7003

Description:

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

Permit Administrator: BRIAN D FENLON  
DIVISION OF ENVIRONMENTAL PERMITS  
STATE OFFICE BLDG, 317 WASHINGTON ST  
WATERTOWN, NY 13601-3787

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

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Permit Modifications, Suspensions, and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal -REGION 6  
HEADQUARTERS



**DEC GENERAL CONDITIONS**

**\*\*\*\* General Provisions \*\*\*\***

**For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions**

**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 1-1: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 1-1.1:**

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 1-1.2:**

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.

**Item 1-1.3:**

Permits are transferrable with the approval of the department unless specifically prohibited by the statute,



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regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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

**Expired by Mod No: 1**

**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 1-2: Permit Modifications, Suspensions and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 1-2.1:**

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

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

**Item 4.1:**

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for 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 6  
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 6 Headquarters  
Division of Environmental Permits  
State Office Building, 317 Washington Street  
Watertown, NY 13601-3787  
(315) 785-2245



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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: POWER CITY PARTNERS LP  
335 MADISON AVE 28TH FL  
NEW YORK, NY 10017

Facility: MASSENA ENERGY FACILITY  
ALCOA POWER CANAL ROAD  
MASSENA, NY 13662

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



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 Definitions Applicable To This Permit
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- 1-2 Recordkeeping and reporting of compliance monitoring
- 1-3 Monitoring, Related Recordkeeping, and Reporting Requirements.
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- 28 Notification
- 29 Notification - Stack test access
- 30 Acceptable procedures - Stack test report submittal
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- 1-12 Requirements for installation, certification, and data accounting.
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- 36 Compliance Certification
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- 56 Compliance Certification (EU=1-00GTU)
- 57 Compliance Certification (EU=1-00GTU)
- 59 Recordkeeping requirements.
- 60 Excess emissions report.
- 61 Excess emissions report.
- 62 Facility files for subject sources.
- 63 Availability of information.
- 64 Opacity standard compliance testing.
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- 66 Monitoring requirements.
- 67 Modifications.
- 68 Compliance Certification (EU=1-00GTU)
- 1-21 Fuel sulfur content monitoring requirements.
- 69 Excess emissions reporting requirements.
- 71 Methods for determining compliance with the sulfur content standard
- 76 Applicability of oxides of nitrogen standard.
- 78 Use of alternative methods for measuring NOx during CEMS downtime
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- 1-24 Compliance Certification (EU=1-00GTU,EP=00001)
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- 87 Compliance Certification (EU=1-00GTU,EP=00001)
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- 89 Compliance Certification (EU=1-00GTU,EP=00001)
- 90 Compliance Certification (EU=1-00GTU,EP=00001)
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- 92 Compliance Certification (EU=1-00GTU,EP=00001)
- 93 Compliance Certification (EU=1-00GTU,EP=00001)
- 95 Compliance Certification (EU=1-00GTU,EP=00001)
- 96 Compliance Certification (EU=1-00GTU,EP=00001)
- 97 Compliance Certification (EU=1-00GTU,EP=00001)
- 98 Compliance Certification (EU=1-00GTU,EP=00001)
- 1-27 Compliance Certification (EU=1-00GTU,EP=00001)
- 102 Compliance Certification (EU=1-00GTU,EP=00001,Proc=DBO,ES=000DB)
- 1-28 Compliance Certification (EU=1-00GTU,EP=00001,Proc=TDG)
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- 1-29 Compliance Certification (EU=1-00GTU,EP=00001,Proc=TDG)
- 1-30 Compliance Certification (EU=1-00GTU,EP=00001,Proc=TDO)
- 1-31 Compliance Certification (EU=1-00GTU,EP=00001,Proc=TNG)
- 1-32 Compliance Certification (EU=1-00GTU,EP=00001,Proc=TNG)
- 1-33 Compliance Certification (EU=1-00GTU,EP=00001,Proc=TNG)



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1-34 Compliance Certification (EU=1-00GTU,EP=00001,Proc=TNO)

1-35 Compliance Certification (EU=1-00GTU,EP=00001,Proc=TNO)

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

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1-37 Unavoidable noncompliance and violations

115 Air pollution prohibited

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Permit Expiration Date: 10/19/2004



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.**

**Item A: Sealing - 6NYCRR Part 200.5**

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 labeling 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.

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.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

**Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6**

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.

**Item C: Maintenance of Equipment - 6NYCRR Part 200.7**

Any person who owns or operates an air contamination

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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.

**Item D: Unpermitted Emission Sources - 6NYCRR Part 201-1.2**

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.

**Item E: Emergency Defense - 6NYCRR Part 201-1.5**

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

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

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

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

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

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the

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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.

**Item F: Recycling and Salvage - 6NYCRR Part 201-1.7**

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.

**Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6NYCRR Part 201-1.8**

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.

**Item H: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)**

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

**Item I: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR Part 201-3.2(a)**

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

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requirements, regulations, or law.

**Item J: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)**

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.

**Item K: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)**

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

**Item L: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

**Item M: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

**Item N: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission**

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**Requirements - 6 NYCRR Part 201-6.5(a)(3)**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

**Item O: Providing Information Upon Request - 6 NYCRR Part 201-6.5(a)(4)**

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

**Item P: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR Part 201-6.5(a)(5)**

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

**Item Q: Property Rights - 6 NYCRR Part 201-6.5(a)(6)**

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

**Item R: Fees - 6 NYCRR Part 201-6.5(a)(7)**

The owner and/or operator of a stationary source shall pay fees to the department consistent with the fee schedule authorized by 6 NYCRR Subpart 482-2.

**Item S: Right to Inspect - 6 NYCRR Part 201-6.5(a)(8)**

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

- i. Enter upon the permittee's premises where the permitted

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facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

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

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

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

**Item T: Severability - 6 NYCRR Part 201-6.5(a)(9)**

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

**Item U: Progress Reports and Compliance Schedules - 6 NYCRR Part 201-6.5(d)(5)**

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

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

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

**Item V: Off Permit Changes - 6 NYCRR Part 201-6.5(f)(6)**

No permit revision will be required for operating changes that contravene an express permit term, provided that such

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changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the Administrator and the Department with written notification in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

**Item W: Permit Shield - 6 NYCRR Part 201-6.5(g)**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

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

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Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

**Item X: Reopening for Cause - 6 NYCRR Part 201-6.5(i)**

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

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

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

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

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

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

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

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a shorter time period in the case of an emergency.

**Item Y: Required Emission Tests - 6 NYCRR Part 202-1.1**

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.

**Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3**

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

**Item AA: Open Fires - 6 NYCRR Part 215**

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.

**Item BB: Permit Exclusion - ECL 19-0305**

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 legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, 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 also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

**Item CC: Federally Enforceable Requirements - 40 CFR 70.6(b)**

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

**FEDERAL APPLICABLE REQUIREMENTS**

**The following conditions are subject to annual compliance certification requirements for Title V permits only.**

**Condition 1: Definitions Applicable To This Permit**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 200.1**

**Item 1.1:**

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

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

**Condition 1-1: Compliance Certification**  
**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-1.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-1.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE EMISSION LIMITS DO NOT APPLY DURING



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PERIODS OF STARTUP, MALFUNCTION, OR SHUTDOWN (NOT TO EXCEED 3 HOURS PER OCCURRENCE). THE FACILITY WILL MONITOR DURATION OF THESE PERIODS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2004.

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

**Condition 26: Emission Unit Definition**

**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 26.1(From Mod 1):**

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

Emission Unit: 1-00GTU

Emission Unit Description:

ABB GT8 GAS TURBINE/HRSG WITH DUCT BURNER, STEAM INJECTION, AND SCR, AND VENTING THROUGH A SINGLE STACK.

Building(s): 1

**Condition 1-2: Recordkeeping and reporting of compliance monitoring**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-2.1:**

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

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



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Any deviation from permit requirements must be clearly identified in all records and reports. Reports  
.3 of this Part 201.

**Condition 1-3: Monitoring, Related Recordkeeping, and Reporting Requirements.**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)**

**Item 1-3.1:**

ms and conditions  
ound in applicable

regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 1-4: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-4.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-4.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that

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definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless

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otherwise limited by regulation. 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. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

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

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

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

Monitoring Frequency: SEMI-ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2004.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-5: Compliance Certification**  
**Effective between the dates of 01/06/2004 and 10/19/2004**

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



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**Item 1-5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
  - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;and
  - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well

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as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2  
Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866

The address for the RAPCE is as follows:

State Office Building  
317 Washington Street  
Watertown, NY 13601-3787

The address for the BCME is as follows:

NYSDEC  
Bureau of Compliance Monitoring  
and Enforcement  
625 Broadway  
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2004.  
Subsequent reports are due on the same day each year

**Condition 28: Notification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 28.1:**

Source owner must notify commissioner in writing not less than 30 days prior to any required emissions test. Such notification shall include the acceptable procedures to be used to stack test, including sampling and analytical procedures.

**Condition 29: Notification - Stack test access**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

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**Item 29.1:**

Commissioner or his representative shall have free access to observe stack testing required by this Subpart.

**Condition 30: Acceptable procedures - Stack test report submittal**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 202-1.3**

**Item 30.1:**

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 31: Alternate test methods**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 202-1.3**

**Item 31.1:**

Alternate emission test methods or deviations from acceptable test methods may be utilized if it is impractical to utilize the acceptable test methods or where no applicable test method is available, if prior acceptance of the proposed alternate method is granted by the commissioner.

**Condition 32: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 32.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 32.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 33: Recordkeeping requirements**  
**Effective between the dates of 10/19/1999 and 10/19/2004**



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

**Item 33.1:**

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

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

representatives of the department  
upon request during normal business hours.

**Condition 1-6: Submissions to the Department.  
Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 204-2.1**

**Item 1-6.1:** 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 1-7: Contents of reports and compliance certifications.  
Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 204-4.1**

**Item 1-7.1:** 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

whether each NOx  
Budget unit for which the compliance certification is submitted was operated during the calendar year

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



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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

by 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

whenever a change

mandated the need for monitor recertification.

**Condition 1-8: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 204-4.1**

**Item 1-8.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-8.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-9: Submission of NOx allowance transfers.**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 204-7.1**

**Item 1-9.1:** 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;



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- (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 1-10: General provisions.**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 204-8.1**

**Item 1-10.1:** 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

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

Section 204-1.2.

**Condition 1-11: Prohibitions.**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 204-8.1**

**Item 1-11.1:** 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:

written approval in

- (1) use any alternative monitoring system, alternative reference method, or any other alternative for the

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

under any one of the

- (4) permanently discontinue use of the continuous emission monitoring system, any component thereof,

following circumstances:

40 CFR Part 75, by the

- (i) The owner or operator is monitoring emissions from the unit with another certified monitoring system

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).



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**Condition 1-12: Requirements for installation, certification, and data accounting.**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 204-8.1**

**Item 1-12.1:** The owner or operator of each NOx Budget unit must meet the following requirements.

et 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 all systems required to monitor NOx emission rate, NOx 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 NOx 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 1-13: Requirements for recertification of monitoring systems.**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 204-8.2**

fication, or change in a certified

monitoring system that the Administrator or the Department determines significantly affects the ability of

put or to meet the

requirements of 40 CFR 75.21 or Appendix B to 40 CFR Part 75, the owner or operator shall recertify

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,

flow rate monitor

polynomial coefficients.

**Condition 1-14: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 204-8.2**

**Item 1-14.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-14.2:**

Compliance Certification shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a NOx Budget unit under paragraphs (b)(2) or (b)(3) of this section must determine, record and report NOx mass, heat input (if required for purposes of allocations) and any other values required to determine NOx Mass (e.g. NOx emission rate and heat input or NOx 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 tests are successfully completed.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-15: Out of control periods.**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 204-8.3**

**Item 1-15.1:** 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 1-16: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 204-8.4**

**Item 1-16.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-16.2:**

Compliance Certification 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,

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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 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

CEM Coordinator  
USEPA-Region 2  
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

AAR changes should be sent to the attention of:

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:

State Office Building  
317 Washington Street  
Watertown, NY 13601-3787



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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 36: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 225-1.8**

**Item 36.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 37: Reports, Sampling and Analysis**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 37.1:**

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

**Condition 38: This condition states the facility is applicable to NOx RACT.**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 227-2.1**

**Item 38.1:**

This facility is subject to NOx RACT.

**Condition 39: Facility Permissible Emissions**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 39.1:**

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

CAS No: 0NY210-00-0 (From Mod 1) PTE: 394,000 pounds per year  
Name: OXIDES OF NITROGEN

**Condition 40: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 40.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 40.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A summary of emission limits and operating restrictions of this permit must be posted in the control room of this facility and be plainly visible to the facility operator.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 41: Facility Permissible Emissions**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

**Applicable Federal Requirement: 40CFR 52.21(h), Subpart A**

**Item 41.1:**

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

CAS No: 0NY210-00-0 (From Mod 1) PTE: 394,000 pounds per year  
Name: OXIDES OF NITROGEN

**Condition 42: Facility Permissible Emissions**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

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**Item 42.1:**

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

CAS No: 007446-09-5 (From Mod 1) PTE: 90,600 pounds per year  
Name: SULFUR DIOXIDE

CAS No: 0NY210-00-0 (From Mod 1) PTE: 394,000 pounds per year  
Name: OXIDES OF NITROGEN

**Condition 1-17: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-17.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 1-17.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes  
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: FUEL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 90600 pounds per year  
Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION  
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY  
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-18: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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



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**Item 1-18.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 1-18.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

Sulfur in fuel limitation for PSD avoidance

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.2 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2004.

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

**Condition 43: Compliance Certification**

**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 43.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

The sum of emissions from the emissions from the emission  
units specified in this permit shall not exceed the  
Potential to emit (PTE) for each regulated contaminant.



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Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 394,000 pounds per year  
Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION  
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY  
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 44: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 44.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 44.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: NATURAL GAS  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 394,000 pounds per year  
Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION  
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY  
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 47: Minimum requirements.**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 47.1:**

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



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40 CFR 60 and 61.

**Condition 48: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

**Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A**

**Item 48.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Ambient air temperature must be continuously measured and recorded. Measurements shall be accurate to within +/- 3 deg F.

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-19: EPA Region 2 address.**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-19.1:**

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 Quality Assurance  
625 Broadway  
Albany, NY 12233-3258



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**Condition 1-20: Accidental release provisions.**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 40CFR 68**

**Item 1-20.1:**

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than 100 lbs, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
  - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
  - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

USEPA Region 2  
Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866  
ATTN: Accidental Release Program contact

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

**Condition 50: Emission Point Definition By Emission Unit**

**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 50.1(From Mod 1):**

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

Emission Unit: 1-00GTU

Emission Point: 00001

Height (ft.): 200

Diameter (in.): 150

NYTMN (km.): 4977.223 NYTME (km.): 508.628 Building: 1

**Condition 51: Process Definition By Emission Unit**

**Effective between the dates of 10/19/1999 and 10/19/2004**

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

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**Item 51.1(From Mod 1):**

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

Emission Unit: 1-00GTU

Process: DBO

Source Classification Code: 1-03-006-02

Process End Date: 9/30/2003

Process Description:

DUCT BURNER FIRING NATURAL GAS, OPERATING WITHOUT GAS TURBINE. (NOTE: DUCT BURNER DOES NOT FIRE INDEPENDENTLY FROM GAS TURBINE).

Emission Source/Control: 000DB - Combustion

Design Capacity: 205.3 million Btu per hour

**Item 51.2(From Mod 1):**

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

Emission Unit: 1-00GTU

Process: TDG

Source Classification Code: 2-03-002-03

Process Description:

GAS TURBINE/HRSG OPERATING WITH DUCT BURNERS, BOTH FIRING NATURAL GAS.

Emission Source/Control: 000DB - Combustion

Design Capacity: 205.3 million Btu per hour

Emission Source/Control: 000GT - Combustion

Design Capacity: 695 million Btu per hour

Emission Source/Control: 00SCR - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 0SINJ - Control

Control Type: STEAM OR WATER INJECTION

**Item 51.3(From Mod 1):**

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

Emission Unit: 1-00GTU

Process: TDO

Source Classification Code: 2-02-001-03

Process Description:

GAS TURBINE FIRING DISTILLATE OIL, AND OPERATING WITH DUCT BURNERS FIRING NATURAL GAS.

Emission Source/Control: 000DB - Combustion



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Design Capacity: 205.3 million Btu per hour

Emission Source/Control: 000GT - Combustion

Design Capacity: 695 million Btu per hour

Emission Source/Control: 00SCR - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 0SINJ - Control

Control Type: STEAM OR WATER INJECTION

**Item 51.4(From Mod 1):**

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

Emission Unit: 1-00GTU

Process: TNG

Source Classification Code: 2-03-002-03

Process Description:

GAS TURBINE/HRSG FIRING NATURAL GAS, AND  
OPERATING WITHOUT DUCT BURNERS.

Emission Source/Control: 000GT - Combustion

Design Capacity: 695 million Btu per hour

Emission Source/Control: 00SCR - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 0SINJ - Control

Control Type: STEAM OR WATER INJECTION

**Item 51.5(From Mod 1):**

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

Emission Unit: 1-00GTU

Process: TNO

Source Classification Code: 2-02-001-01

Process Description:

GAS TURBINE FIRING DISTILLATE OIL, AND  
OPERATING WITHOUT DUCT BURNERS.

Emission Source/Control: 000GT - Combustion

Design Capacity: 695 million Btu per hour

Emission Source/Control: 00SCR - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: 0SINJ - Control

Control Type: STEAM OR WATER INJECTION

**Condition 55: Compliance Certification**

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**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

**Item 55.2:**

Compliance Certification 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: UPON REQUEST BY REGULATORY AGENCY

**Condition 56: Compliance Certification**

**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EXCEPT FOR PERIODS OF START-UP, MALFUNCTION, AND SHUTDOWN, THE GAS TURBINE MUST OPERATE AT BASE LOAD. NOMINAL BASE LOAD FOR THE GAS TURBINE WHEN FIRING NATURAL GAS IS 52 MW AT

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DESIGN CONDITIONS OF 42 DEG F AND 60%  
RELATIVE HUMIDITY. USE THE ATTACHED  
GRAPH TO CORRELATE THE CURRENT  
TEMPERATURE WITH THE REQUIRED ELECTRIC  
OUTPUT.

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 57: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall submit a quarterly written CEM report to  
NYSDEC for every calendar year quarter. All quarterly  
reports shall be post marked by the 30th day following the  
end of each calendar quarter and shall include:

1. CEMS down time (40 CFR 60.7(b)) and excess  
emissions (40 CFR 60.7(c)) in a summary report format, as  
found in 40 CFR 60.7(d), or equivalent.
2. The results of the quarterly monitoring performance  
audit, reported in the format of 40 CFR 60 Appendix F (or  
equivalent).
3. Excess emissions shall be identified as any one-hour  
block period during which the average emissions of NO<sub>x</sub> or  
CO, as measured by the CEM system, exceeds the  
corresponding mass or concentration emission limits set  
forth in this permit.
4. For the purposes of this permit, excess emissions  
indicated by the CEM system for one hour block periods  
other than start-ups and shutdowns, malfunctions (as



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stated in 6NYCRR Subpart 201-1.4) and CEM calibrations may be considered violations of the applicable emission limits.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2000.

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

**Condition 59: Recordkeeping requirements.**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 59.1:**

This Condition applies to Emission Unit: 1-00GTU

**Item 59.2:**

ion of any startup,

shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

**Condition 60: Excess emissions report.**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 60.1:**

This Condition applies to Emission Unit: 1-00GTU

**Item 60.2:**

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

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or

for a malfunction;

toring system was  
r adjustments; and

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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 61: Excess emissions report.**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 61.1:**

This Condition applies to Emission Unit: 1-00GTU

**Item 61.2:**

An excess emissions report and/or a summary report, for each pollutant monitored, shall be sent to the Administrator quarterly (or as required), in the form prescribed in Figure 1 of subdivision 60.7(d).

**Condition 62: Facility files for subject sources.**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 62.1:**

This Condition applies to Emission Unit: 1-00GTU

**Item 62.2:**

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

**Condition 63: Availability of information.**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

**Applicable Federal Requirement: 40CFR 60.9, NSPS Subpart A**

**Item 63.1:**

This Condition applies to Emission Unit: 1-00GTU

**Item 63.2:**

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

**Condition 64: Opacity standard compliance testing.**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 64.1:**

This Condition applies to Emission Unit: 1-00GTU

**Item 64.2:**

opacity standards:

Method 9, in Appendix A or  
including continuous

opacity monitors);

of start up, shutdown, and  
malfunction; and

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

**Condition 65: Circumvention.**

**Effective between the dates of 10/19/1999 and 10/19/2004**

**Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A**

**Item 65.1:**

This Condition applies to Emission Unit: 1-00GTU

**Item 65.2:**

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article,  
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 66: Monitoring requirements.**

**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 66.1:**

This Condition applies to Emission Unit: 1-00GTU

**Item 66.2:**

and operated in

accordance with the requirements of section 60.13.

**Condition 67: Modifications.**

**Effective between the dates of 10/19/1999 and 10/19/2004**

**Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A**

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**Item 67.1:**

This Condition applies to Emission Unit: 1-00GTU

**Item 67.2:**

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 68: Compliance Certification**

**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU

**Item 68.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

RECORDS OF FUEL SUPPLY AND SAMPLE ANALYSIS FOR THE DETERMINATION OF SULFUR AND NITROGEN CONTENT IN FUEL PERTINENT TO THE THE CUSTOM FUEL MONITORING SCHEDULE APPROVED BY THE USEPA FOR THE STATIONARY GAS TURBINE SHALL BE KEPT AND RETAINED FOR A PERIOD OF THREE YEARS AND BE AVAILABLE FOR INSPECTION BY PERSONNEL OF FEDERAL, STATE AND LOCAL AIR POLLUTION CONTROL AGENCIES.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-21: Fuel sulfur content monitoring requirements.**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-21.1:**

This Condition applies to Emission Unit: 1-00GTU

**Item 1-21.2:**

Gas turbines who are supplied fuel from a bulk storage tank shall determine the sulfur content of their fuel

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every time fuel is transferred to the storage tank from another source.

**Condition 69: Excess emissions reporting requirements.  
Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 69.1:**

This Condition applies to Emission Unit: 1-00GTU

**Item 69.2:**

Excess emissions of NO<sub>x</sub>, SO<sub>2</sub>, ice fog, and emergency fuel use shall be reported quarterly as per the requirements of section 60.7 of this Part.

**Condition 71: Methods for determining compliance with the sulfur content  
standard  
Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 71.1:**

This Condition applies to Emission Unit: 1-00GTU

**Item 71.2:**

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

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

**Condition 76: Applicability of oxides of nitrogen standard.  
Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 76.1:**

This Condition applies to Emission Unit: 1-00GTU  
Process: TDG

**Item 76.2:**

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

**Condition 78: Use of alternative methods for measuring NO<sub>x</sub> during CEMS  
downtime  
Effective between the dates of 10/19/1999 and 10/19/2004**

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



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**Item 78.1:**

This Condition applies to Emission Unit: 1-00GTU  
Process: TDG

**Item 78.2:**

monitoring system

breakdowns, repairs, calibration checks, and zero and span adjustments, emission data will be obtained by  
reference methods to

provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit  
operating day, in at least 22 out of 30 successive steam generating unit operating days.

**Condition 79: Recordkeeping and reporting requirements.**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 79.1:**

This Condition applies to Emission Unit: 1-00GTU  
Process: TDG

**Item 79.2:**

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

**Condition 1-22: Compliance Certification**  
**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-22.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU  
Process: TDO

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

**Item 1-22.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for stationary combustion  
installation firing oil. The owner or operator shall  
complete the following once per term of this permit:

- 1) Submit to the Department an acceptable protocol for



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the testing of particulate emission limit cited in this condition.

2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.

3) All records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: ABB Type 8  
Parameter Monitored: PARTICULATES  
Upper Permit Limit: 0.10 pounds per million Btus  
Reference Test Method: 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 4/30/2004.  
Subsequent reports are due every 6 calendar month(s).

**Condition 80: Applicability of oxides of nitrogen standard.  
Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 80.1:**

This Condition applies to Emission Unit: 1-00GTU  
Process: TDO

**Item 80.2:**

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

**Condition 82: Use of alternative methods for measuring NOx during CEMS  
downtime  
Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 82.1:**

This Condition applies to Emission Unit: 1-00GTU  
Process: TDO

**Item 82.2:**

monitoring system

breakdowns, repairs, calibration checks, and zero and span adjustments, emission data will be obtained by

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erence methods to

provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days.

**Condition 83: Recordkeeping and reporting requirements.**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 83.1:**

This Condition applies to Emission Unit: 1-00GTU  
Process: TDO

**Item 83.2:**

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

**Condition 1-23: Compliance Certification**  
**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-23.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU  
Process: TNO

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

**Item 1-23.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

1) Submit to the Department an acceptable protocol for the testing of particulate emission limit cited in this condition.

2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.



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3) All records shall be maintained at the facility for a minimum of five years.

Manufacturer Name/Model Number: ABB Type 8  
Parameter Monitored: PARTICULATES  
Upper Permit Limit: 0.10 pounds per million Btus  
Reference Test Method: 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 4/30/2004.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-24: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 1-24.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

Regulated Contaminant(s):  
CAS No: 007664-41-7 AMMONIA

**Item 1-24.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

AMMONIA INJECTION RATES AND THE AMMONIA SLIP PASSED THE SCR SHALL BE MONITORED TO EVALUATE CATALYST EFFICIENCY. THE AVERAGE AMMONIA EMISSIONS SLIP IS RECORDED HOURLY. THE HOURLY EMISSIONS SLIP LIMITS ARE 10 PPMVD(CORRECTED TO 15% O<sub>2</sub>) AND 14 LB/HR

Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-25: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-25.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-25.2:**

Compliance Certification 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 (on a six minute block period) except for one six minute block 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.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

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

- 3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then the Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two



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

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

Manufacturer Name/Model Number: ABB GT8

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

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 4/30/2004.

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

**Condition 1-26: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-26.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 1-26.2:**

Compliance Certification shall include the following monitoring:



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Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM MONITORING OF CO EMISSIONS FROM THE  
GAS TURBINE AND DUCT BURNER WHILE FIRING  
EITHER NATURAL GAS OR DISTILLATE OIL

Manufacturer Name/Model Number: Rosemount Analytical Model 880A

Upper Permit Limit: 19.0 parts per million by volume

(dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR 60, APP. B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT  
ANY TIME

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2004.

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

**Condition 86: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 86.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 86.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

INITIAL STACK TESTING OF THE DUCT BURNER  
WHILE FIRING GAS

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.011 pounds per million Btus

Reference Test Method: 40 CFR 60, APP. A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT  
ANY TIME

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 87: Compliance Certification**



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**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 87.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 87.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

INITIAL STACK TESTING FOR THE GAS  
TURBINE WHILE FIRING OIL

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.047 pounds per million Btus

Reference Test Method: 40 CFR 60, APP. A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT  
ANY TIME

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 88: Compliance Certification**

**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 88.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 88.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FROM THE INITIAL STACK TEST FOR GAS  
TURBINE AND DUCT BURNER WHILE FIRING



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GAS.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 12.0 pounds per hour

Reference Test Method: 40 CFR 60, APP. A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 89: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 89.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 89.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

INITIAL STACK TESTING OF THE GAS TURBINE  
WHILE FIRING GAS

Parameter Monitored: VOC

Upper Permit Limit: 4.0 pounds per hour

Reference Test Method: 40 CFR 60, APP. A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 90: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 90.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

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**Facility DEC ID: 6405800046**



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

**Item 90.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:  
INITIAL STACK TESTING OF THE GT/HRSG  
COMBINED WHILE FIRING GAS

Parameter Monitored: VOC  
Upper Permit Limit: 13.0 pounds per hour  
Reference Test Method: 40 CFR 60, APP. A  
Monitoring Frequency: SINGLE OCCURRENCE  
Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT  
ANY TIME  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 91: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 91.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

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

**Item 91.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:  
INITIAL STACK TESTING OF THE DUCT BURNER  
WHILE FIRING GAS

Parameter Monitored: VOC  
Upper Permit Limit: 0.036 pounds per million Btus  
Reference Test Method: 40 CFR 60, APP. A  
Monitoring Frequency: SINGLE OCCURRENCE  
Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT  
ANY TIME  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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**Condition 92: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 92.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

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

**Item 92.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:  
INITIAL STACK TESTING OF THE GAS TURBINE  
WHILE FIRING OIL

Parameter Monitored: VOC  
Upper Permit Limit: 0.008 pounds per million Btus  
Reference Test Method: 40 CFR 60, APP. A  
Monitoring Frequency: SINGLE OCCURRENCE  
Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT  
ANY TIME  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 93: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 93.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

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

**Item 93.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

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**INITIAL STACK TESTING OF THE GT/HRSG  
COMBINED WHILE FIRING OIL**

Parameter Monitored: VOC

Upper Permit Limit: 14.0 pounds per hour

Reference Test Method: 40 CFR 60, APP. A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT  
ANY TIME

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 95: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 95.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 95.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

**INITIAL STACK TESTING OF THE GAS TURBINE  
WHILE FIRING OIL**

Parameter Monitored: VOC

Upper Permit Limit: 5.0 pounds per hour

Reference Test Method: 40 CFR 60, APP. A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT  
ANY TIME

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 96: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 96.1:**

The Compliance Certification activity will be performed for:



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Emission Unit: 1-00GTU Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 96.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

INITIAL STACK TESTING OF THE GAS TURBINE  
WHILE FIRING GAS

Parameter Monitored: VOC

Upper Permit Limit: 0.006 pounds per million Btus

Reference Test Method: 40 CFR 60, APP. A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT  
ANY TIME

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 97: Compliance Certification**

**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 97.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 97.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

INITIAL STACK TESTING OF THE GAS TURBINE  
WHILE FIRING GAS

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.014 pounds per million Btus

Reference Test Method: 40 CFR 60, APP. A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT  
ANY TIME

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Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 98: Compliance Certification**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 98.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 98.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

INITIAL STACK TESTING OF THE GAS TURBINE  
AND DUCT BURNER WHILE FIRING OIL

Parameter Monitored: PARTICULATES

Upper Permit Limit: 36.0 pounds per hour

Reference Test Method: 40 CFR 60, APP. A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT  
ANY TIME

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-27: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 40CFR 60.334(b)(2), NSPS Subpart GG**

**Item 1-27.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

**Item 1-27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

FUEL NITROGEN AND SULFUR CONTENT SHALL  
BE MONITORED AS REQUIRED IN THE 4/2/2003



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LETTER FROM KENNETH ENG (USEPA) TO REEVES  
ADAIR.

Monitoring Frequency: QUARTERLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 102: Compliance Certification**

**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 102.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

Process: DBO Emission Source: 000DB

Regulated Contaminant(s):

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

**Item 102.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

COMPLIANCE DETERM. FOR THE DUCT BURNER

EMISSION LIMIT OF 0.012 LB/MMBTU WAS

CONDUCTED AS PART OF THE INITIAL

PERFORMANCE TESTING.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-28: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-28.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

Process: TDG

Regulated Contaminant(s):



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

**Item 1-28.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEMS TO MONITOR EMISSIONS FROM GAS  
TURBINE/HRSG.

Manufacturer Name/Model Number: ANARAD AR-880

Upper Permit Limit: 33.0 pounds per hour

Reference Test Method: 40 CFR 60 APP B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2004.

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

**Condition 104: Compliance Certification**

**Effective between the dates of 10/19/1999 and 10/19/2004**

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

**Item 104.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

Process: TDG

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 104.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM MONITORING OF THE GAS TURBINE  
EMISSIONS WITHOUT THE DUCT BURNER WHILE  
FIRING GAS OR DISTILLATE OIL

Manufacturer Name/Model Number: ANARAD AR 880

Upper Permit Limit: 9.0 parts per million by volume

(dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40CFR60, APP. B&F



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Monitoring Frequency: CONTINUOUS  
Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2000.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-29: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable Federal Requirement: 40CFR 52.21(h), Subpart A**

**Item 1-29.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001  
Process: TDG

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

**Item 1-29.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes  
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)  
Monitoring Description:  
CEMS TO MONITOR EMISSIONS FROM GAS  
TURBINE/HRSG.

Manufacturer Name/Model Number: ANARAD AR-880  
Upper Permit Limit: 9.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)  
Reference Test Method: 40 CFR 60 APP B&F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2004.  
Subsequent reports are due every 12 calendar month(s).

**Condition 1-30: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-30.1:**



**New York State Department of Environmental Conservation**

**Permit ID: 6-4058-00046/00009**

**Facility DEC ID: 6405800046**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001  
Process: TDO

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

**Item 1-30.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes  
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)  
Monitoring Description:  
CEMS TO MONITOR EMISSIONS FROM GAS  
TURBINE/HRSG.

Manufacturer Name/Model Number: Rosemount Analytical 880A  
Upper Permit Limit: 68.0 pounds per hour  
Reference Test Method: 40 CFR 60 APP B&F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2004.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-31: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-31.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001  
Process: TNG

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

**Item 1-31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)  
Monitoring Description:  
CEM MONITORING OF CO EMISSIONS FROM THE  
GAS TURBINE AND DUCT BURNER FIRING EITHER



**New York State Department of Environmental Conservation**

**Permit ID: 6-4058-00046/00009**

**Facility DEC ID: 6405800046**

GAS OR DISTILLATE OIL.

Manufacturer Name/Model Number: Rosemount Analytical 880A

Upper Permit Limit: 37.0 pounds per hour

Reference Test Method: 40 CFR 60, APP. B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2004.

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

**Condition 1-32: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-32.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001

Process: TNG

Regulated Contaminant(s):

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

**Item 1-32.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEMS TO MONITOR EMISSIONS FROM GAS  
TURBINE/HRSG.

Manufacturer Name/Model Number: ANARAD AR-880

Upper Permit Limit: 33.0 pounds per hour

Reference Test Method: 40 CFR 60 APP B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2004.

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

**Condition 1-33: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**New York State Department of Environmental Conservation**

**Permit ID: 6-4058-00046/00009**

**Facility DEC ID: 6405800046**



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

**Item 1-33.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001  
Process: TNG

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

**Item 1-33.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes  
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)  
Monitoring Description:  
CEMS TO MONITOR EMISSIONS FROM GAS  
TURBINE/HRSG.

Manufacturer Name/Model Number: ANARAD AR-880  
Upper Permit Limit: 9.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)  
Reference Test Method: 40 CFR 60 APP B&F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2004.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-34: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-34.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001  
Process: TNO

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

**Item 1-34.2:**

Compliance Certification shall include the following monitoring:



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**Facility DEC ID: 6405800046**

Capping: Yes  
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)  
Monitoring Description:  
CEMS TO MONITOR EMISSIONS FROM GAS  
TURBINE/HRSG.

Manufacturer Name/Model Number: ANARAD AR-880  
Upper Permit Limit: 18.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)  
Reference Test Method: 40 CFR 60 APP B&F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2004.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-35: Compliance Certification**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-35.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-00GTU Emission Point: 00001  
Process: TNO

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

**Item 1-35.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes  
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)  
Monitoring Description:  
CEMS TO MONITOR EMISSIONS FROM GAS  
TURBINE/HRSG.

Manufacturer Name/Model Number: ANARAD AR-880  
Upper Permit Limit: 68.0 pounds per hour  
Reference Test Method: 40 CFR 60 APP B&F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.

**New York State Department of Environmental Conservation**  
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The initial report is due 4/30/2004.  
Subsequent reports are due every 3 calendar month(s).



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**

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.

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.

**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state only enforceable and are not subject to annual compliance certification requirements for Title V permits.**

**Condition 1-36: Contaminant List**

**Effective between the dates of 01/06/2004 and 10/19/2004**

**Applicable State Requirement: ECL 19-0301**

**Item 1-36.1:**

quirements in this

permit(emission limits, control requirements or compliance monitoring conditions).



**New York State Department of Environmental Conservation**

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**Facility DEC ID: 6405800046**

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: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

**Condition 1-37: Unavoidable noncompliance and violations**

**Effective between the dates of 01/06/2004 and 10/19/2004**

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

**Item 1-37.1:**

At the discretion of the commissioner a violation of any applicable emission standard for necessary

start-ups 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

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.

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

at the malfunction

occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the

operator's representative

describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate

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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 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 115: Air pollution prohibited**  
**Effective between the dates of 10/19/1999 and 10/19/2004**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 115.1:**

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.