

New York State Department of Environmental Conservation
Facility DEC ID: 9025800018



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-0258-00018/00023
Effective Date: 07/18/2001 Expiration Date: 07/18/2006

Permit Issued To: ROCHESTER GAS & ELECTRIC CORP
89 EAST AVE
ROCHESTER, NY 14649

Contact: JOHN C ALLEN
ROCHESTER GAS & ELECTRIC CORP
89 EAST AVE
ROCHESTER, NY 14649-0001
(585) 771-4196

Facility: RG&E ALLEGANY STATION #133
11537 ROUTE 19A
FILLMORE, NY 14735

Contact: JOHN B KINGSTON
BELL ENERGY LLC
11537 ROUTE 19A
FILLMORE, NY 14735
(716) 567-4191

Description:

1.) The RG&E Allegany Station #133, located in Town of Hume, Allegany County, New York is an existing combined cycle gas turbine plant with nominal gross power rating of 65 MW. The gas turbine is a General Electric Model LM6000. The plant also includes a heat recovery steam generator (HRSG). Water is injected in the turbine to reduce NOx emissions. NOx emissions from the turbine/duct burner are further controlled by selective catalytic reduction (SCR).

2.) This is an existing facility acquired by RG&E Corporation. It was formerly known as the Kamine Allegany Cogeneration. Its cogeneration status was derived from supplying steam to a 14 acre greenhouse for heating purposes. The loss of the green house steam host by the previous owner changed the classification of the facility to an "affected source" under 40 CFR 72.6, thereby requiring a Phase II acid rain permit. Because this is an affected source, 6 NYCRR Part 201-6.1(a) also requires the facility to obtain a Title V permit. The Title V permit is being processed concurrently with this permit.

3.) A Title IV (Acid Rain Phase 2) permit application has been submitted and the permit processing is following a parallel path to the Title V permit. Under Part 75 the facility is also required to monitor SO2, NOx and O2 emissions and flow. Because the facility uses pipeline natural gas, Part 75.11(d) allows the facility an alternative to using a continuous emissions monitoring system (CEMS) for monitoring SO2 emissions. Under this alternative, SO2 emissions are determined by multiplying a SO2

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default emission rate of 0.0006 lb SO₂/MMBtu by the hourly heat input rate.

4.) This facility is required to comply with the 6 NYCRR Part 227-3, "NO_x Emissions Budget and Allowance Program". This program requires the facility, by the December 31 of each year, to have a number of allowances in the facility's compliance account and/or compliance overdraft account that is equal to or greater than the total NO_x emitted from the facility during the control period (May 1 to September 30). NO_x emissions must be monitored and quantified using the results of a CEMS. The CEMS is also required to meet Part 75 installation, operating, maintenance and calibration requirements.

5.) This facility avoided the applicability of 40 CFR 52.21, "Prevention of Significant Deterioration (PSD)" when it was originally constructed. The facility did so by accepting and complying with emission limits for carbon monoxide (CO) of 15ppm and 17.8 lb/hr and for NO_x of 9 ppm and 17.21 lb/hr for the operation of the turbine and duct burner and emission limits for CO of 15 ppm and 10 lb/hr and for NO_x of 9ppm and 14.84 lb/hr for operation of the turbine alone. A limit for ammonia slip associated with the SCR was set at 19.8 lb/hr. NO_x, CO and O₂ and ammonia are required to be monitored continuously. The CEMS for NO_x and CO are required to meet the requirements of Part 60 (Appendix B and F). Meeting the NO_x limit of 9 ppm required the installation and operation of SCR control prior to the final exhaust.

6.) The facility is also subject to New Source Performance Standards (NSPS) for gas turbines (40CFR60 Subpart GG) and the associated duct burners (Subpart Dc). It has demonstrated through initial performance testing that it met the permit emission limits for NO_x. Subpart GG requires monitoring water to fuel ratio as an indirect method for monitoring NO_x emissions from the turbine alone. Additional performance testing is required by this permit to determine minimum water to fuel ratios for representative operating modessuch that the turbine emissions are below 114 ppm. Subpart GG also requires daily monitoring for fuel sulfur and nitrogen content. However, the facility has requested and received approval from the Environmental Protection Agency (EPA) for a custom fuel sampling program . The program requires bimonthly sampling for 6 months to establish an acceptable fuel sulfur and nitrogen content baseline. After establishing this baseline quarterly sampling is required thereafter. Natural gas pipeline quality fuel is expected to contain substantially less sulfur than the 0.8% sulfur limit.

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: RICHARD P SWEENEY
DIVISION OF ENVIRONMENTAL PERMITS
270 MICHIGAN AVE
BUFFALO, NY 14203-2999

Authorized Signature: _____ Date: ___ / ___ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions, and Revocations by the Department

Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 9
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 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

Item 3.1:

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

Item 3.2:

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

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



Item 4.1:

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

Condition 5: Permit Modifications, Suspensions, and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 5.1:

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 described in the application 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 6: Submission of Applications for Permit Modification or Renewal -REGION 9 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)

Item 6.1:

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

NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2999
(716) 851-7165



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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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Authorized Activity By Standard Industrial



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

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- 4 Maintenance of equipment
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- 6 Unavoidable Noncompliance and Violations
- 7 Emergency Defense
- 8 Recycling and Salvage
- 9 Prohibition of Reintroduction of Collected Contaminants to the Air
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48 Compliance Certification (EU=U-1GTDB)

49 Compliance Certification (EU=U-1GTDB)

50 Applicability of the Title IV Acid Rain Regulations to a particular "new" generator unit which consists of one emission source.

51 Compliance Certification (EU=U-1GTDB,Proc=GT1)

52 Compliance Certification (EU=U-1GTDB,Proc=GT1)

53 Compliance Certification (EU=U-1GTDB,Proc=GT1)

54 Compliance Certification (EU=U-1GTDB,Proc=GT1)

55 Compliance Certification (EU=U-1GTDB,Proc=GT2)

56 Compliance Certification (EU=U-1GTDB,Proc=GT2)

57 Compliance Certification (EU=U-1GTDB,Proc=GT2)

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Classification Code:

4911 - ELECTRIC SERVICES

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FEDERALLY ENFORCEABLE CONDITIONS

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

Condition 1: Definitions Applicable To This Permit
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 200.1

Item 1.1:

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

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

Condition 2: Sealing
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 200.5

Item 2.1:

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

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

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

Condition 3: Acceptable ambient air quality
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 200.6

Item 3.1:



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

Condition 4: Maintenance of equipment
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 200.7

Item 4.1:

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

Condition 5: Unpermitted Emission Sources
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-1.2

Item 5.1:

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

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

Condition 6: Unavoidable Noncompliance and Violations
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-1.4

Item 6.1:

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

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



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

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

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

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

Condition 7: Emergency Defense
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-1.5

Item 7.1:

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

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

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

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

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



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requirements in the permit; and

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

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

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

Condition 8: Recycling and Salvage
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 8.1:

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

Condition 9: Prohibition of Reintroduction of Collected Contaminants to the Air
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 9.1:

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

Condition 10: Public Access to Recordkeeping for Title V facilities
Effective between the dates of 07/18/2001 and 07/18/2006

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

Item 10.1:

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

Condition 11: Proof of Eligibility
Effective between the dates of 07/18/2001 and 07/18/2006

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



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Item 11.1:

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

Condition 12: Proof of Eligibility

Effective between the dates of 07/18/2001 and 07/18/2006

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

Item 12.1:

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

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

Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 13.1:

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

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

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

Item 13.2:

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

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document are true, accurate and complete.

**Condition 14: Cessation or Reduction of Permitted Activity Not a Defense
Effective between the dates of 07/18/2001 and 07/18/2006**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 14.1:

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

**Condition 15: Compliance Requirements
Effective between the dates of 07/18/2001 and 07/18/2006**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 15.1:

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

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

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

Item 15.2:

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

Item 15.3:

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



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

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

Condition 16: Federally-Enforceable Requirements
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 16.1:

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

Condition 17: Fees
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 17.1:

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

Condition 18: Monitoring, Related Recordkeeping and Reporting Requirements
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 18.1:

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

Condition 19: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 19.1:



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

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

Condition 20: Permit Shield

Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 20.1:

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

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

Condition 21: Property Rights

Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 21.1:



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

Condition 22: Reopening for Cause
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 22.1:

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

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

Item 22.2:

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

Item 22.3:

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

Condition 23: Right to Inspect
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 23.1:

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

- i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

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

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

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

Condition 24: Severability

Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 24.1:

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

Condition 25: Emission Unit Definition

Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 25.1:

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

Emission Unit: U-1GTDB

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF ONE (1) COMBINED-CYCLE GAS TURBINE, EQUIPPED WITH SELECTIVE CATALYTIC REDUCTION AND WATER INJECTION FOR NO_x EMISSIONS CONTROL. THE COMBUSTION GAS TURBINE IS EQUIPPED WITH A HEAT RECOVERY STEAM GENERATOR AND DUCT BURNERS. ALL FLUE GASES GENERATED THROUGH THE COMBINED COMBUSTION GAS TURBINE/HEAT RECOVERY STEAM GENERATOR TRAIN ARE EXHAUSTED TO THE ATMOSPHERE THROUGH A SINGLE 134.5 INCH DIAMETER 213 - FOOT TALL EXHAUST STACK.

Building(s): GEN BLDG

Condition 27: Compliance Certification

Effective between the dates of 07/18/2001 and 07/18/2006

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



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Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



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The initial report is due 1/30/2002.

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

Condition 26: Compliance Certification

Effective between the dates of 07/18/2001 and 07/18/2006

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

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

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

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

All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please



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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:

270 Michigan Avenue
Buffalo, NY 14203-2999

The address for the BCME is as follows:

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

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

Subsequent reports are due on the same day each year

Condition 28: Permit Exclusion Provisions
Effective between the dates of 07/18/2001 and 07/18/2006

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

Item 28.1:

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

The issuance of this permit by the Department and the receipt thereof by the Applicant does not supersede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements



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contained in such order or modification thereof unless specifically intended by this permit.

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

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

Condition 29: Non Applicable requirements
Effective between the dates of 07/18/2001 and 07/18/2006

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

Item 29.1:

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

Condition 30: Required emissions tests
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 30.1:

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

Condition 31: Compliance Certification
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:



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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 32: Recordkeeping requirements
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 32.1:

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

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

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

Condition 33: Visible emissions limited.
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 211.3

Item 33.1:

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

Condition 34: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 215.

Item 34.1:

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

Condition 35: Facility Permissible Emissions
Effective between the dates of 07/18/2001 and 07/18/2006

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Applicable Federal Requirement: 6NYCRR 227-2.

Item 35.1:

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

CAS No: 0NY210-00-0 PTE: 190,000 pounds per year
Name: OXIDES OF NITROGEN

Condition 36: Compliance Certification
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 227-2.

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 36.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
The facility shall limit emissions of NO_x to 95 tpy as determined by summing the individual monthly emissions during any consecutive 12 month period according to the following:

En = facilitywide NO_x emissions per rolling 12 month period
En = E1 + E2 + E3 + E4

E1 = Gas burner and duct burner NO_x emissions as measured by the CEMS (tons/month)

E2 = Boiler Emissions for space heating
E2 = 0.032 lbs NO_x/1000000 Btu X 1050 Btu/cu. ft X NG
X ton/2000 lbs NG = natural gas use (cu. ft/month)

E3 = Emergency generator set NO_x emissions
E3 = 4.1 lbs NO_x/hour of operation X hours of



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operation/month X ton/2000 lbs

E4 = Diesel internal combustion fire pump

E4 = 17.3 Grams(GM)/brake horsepower(BHP)/hour of operation X 238 BHP X hours of operation/month X lbs/454 GM X ton/2000 lbs.

Upper Permit Limit: 95 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2001.

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

Condition 37: Authorized Account Representatives (AARs)
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 227-3.12

Item 37.1: Each budget source must designate an AAR, and may designate an alternate AAR, for each compliance account and compliance overdraft account.

Condition 38: Compliance Certification
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 227-3.13

Item 38.1:
The Compliance Certification activity will be performed for the Facility.

Item 38.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Budget sources not using certified flow monitors: NOx emissions in lbs/hr shall be determined by multiplying together the figures resulting from application of the following:

- (i) the NOx emission rate in lbs/mmBtu determined by using the procedures set forth in 40 CFR 75 appendix F, section 3; and
- (ii) the hourly heat input in mmBtu/hr determined by using

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the procedures set forth in 40 CFR 75 appendix D.

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 39: Compliance Certification

Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 227-3.15

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This budget source must submit to the Administrator, in a format which meets the requirements of the Administrator's Electronic Data Reporting convention, information regarding emissions and operations during each calendar quarter of each year in accordance with the procedures specified in the Guidance Document.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2001.

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

Condition 40: Compliance Certification

Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 227-3.17

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 40.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (a) By December 31 of each year, this budget source must submit a compliance certification to the Department relating to the budget source's activities during the current year.

- (b) The compliance certification shall contain, at a minimum:
 - (1) identification of the budget source, including address of the budget source, name and address of the owner and/or operator, account numbers of the relevant compliance account and compliance overdraft account and the name of the AAR;
 - (2) a statement indicating whether NOx emissions data have been reported to the NETS in accordance with the procedures set forth in Section 227-3.15 and any additional procedures established by the Administrator;
 - (3) a statement indicating whether the budget source has a number of allowances in its compliance account or compliance overdraft account equal to or greater than the budget source's NOx emissions for the current year control period;
 - (4) a statement indicating whether the monitoring data reflected the actual operation of the budget source;
 - (5) a statement indicating whether all NOx emissions from the budget source were accounted for, either through the relevant monitoring or application of the appropriate missing data procedures; and
 - (6) a statement indicating whether there were any changes in the method of operation of the budget source or the method of monitoring the budget source during the current year.

- (c) The Department may verify compliance by whatever means necessary, including, but not limited to, the following:
 - (1) inspection of budget source operating records;
 - (2) examining information contained in the NATS (NOx Allowance Tracking System) regarding allowance deductions and transfers for the budget source;
 - (3) examining information contained in the NETS (NOx Emission Tracking System) regarding NOx emissions from the budget source;
 - (4) testing emission monitoring devices; and,
 - (5) testing conducted pursuant to 6 NYCRR Part 202.



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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 41: Recycling and Emissions Reduction
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 41.1:

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

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

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

Condition 42: Emission Point Definition By Emission Unit
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 42.1:

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

Emission Unit: U-1GTDB

Emission Point: 00001

Height (ft.): 213

Diameter (in.): 134

NYTMN (km.): 4711.02

NYTME (km.): 248.13

Building: GEN BLDG

Condition 43: Process Definition By Emission Unit



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Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 43.1:

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

Emission Unit: U-1GTDB

Process: GT1

Source Classification Code: 2-02-002-01

Process Description:

NATURAL GAS COMBUSTION IN GAS TURBINE
WITHOUT OPERATION OF DUCT BURNER.

Emission Source/Control: GASTB - Combustion

Design Capacity: 412.5 million Btu per hour

Emission Source/Control: 00SCR - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: WTRIN - Control

Control Type: STEAM OR WATER INJECTION

Item 43.2:

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

Emission Unit: U-1GTDB

Process: GT2

Source Classification Code: 2-02-001-03

Process Description:

NATURAL GAS COMBUSTION IN GAS TURBINE AND
DUCT BURNER (SIMULTANEOUSLY).

Emission Source/Control: DCTBN - Combustion

Design Capacity: 81.1 million Btu per hour

Emission Source/Control: GASTB - Combustion

Design Capacity: 412.5 million Btu per hour

Emission Source/Control: 00SCR - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: WTRIN - Control

Control Type: STEAM OR WATER INJECTION

Condition 44: Compliance Certification

Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

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Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-1GTDB

Item 44.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

- 1.) The gas turbine shall not operate below base load, except during periods of start up and shutdown. Base load corresponds to 39.2 megawatt at 48 degrees F. Figure 1 correlates this limit to the current ambient air temperature - as taken at the inlet to the compressor. Average electrical output and air temperature shall be computed and recorder for each our of operation.
- 2.) The facility shall report any deviation (excluding the above exceptions) from this requirement to the department within 3 days of occurrence. The report shall contain the reason for the occurrence and what corrective actions were taken and any future corrective actions planned etc.
- 3.) The reason for the base load requirement is that initial permitting from the department required pre permitting impact modelling. It was concluded as a result of review of the impact modelling that this source would not cause a significant impact to air quality and therefore the source was allowed. In the event that the facility wishes to consider operation of the turbine at different loads it shall conduct similar impact modelling under the desired operating loads under department oversight. This oversight requires the facility to submit impact modelling protocol for department review and approval. The facility shall in turn conduct the modelling according to the approved protocol and submit a final report to the department for review and approval. The facility shall not change the level of operation from base load conditions until it has received written final approval of the modelling report from the department. Under any alternate operating scenario approved by the department, the facility shall monitor operating conditions according to the the new operating scenario, keep representative records and report and deviation according to the requirements in item 2 above.

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Parameter Monitored: ELECTRICAL OUTPUT
Lower Permit Limit: 39.2 megawatt
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2001.
Subsequent reports are due every 3 calendar month(s).

**Condition 45: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 07/18/2001 and 07/18/2006**

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 45.1:

This Condition applies to Emission Unit: U-1GTDB

Item 45.2:

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

**Condition 46: Compliance Certification
Effective between the dates of 07/18/2001 and 07/18/2006**

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

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-1GTDB

Item 46.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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2.) For the purposes of the excess emissions and monitoring systems performance reporting, the following shall be defined as periods of excess emissions:

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

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

Parameter Monitored: WATER TO FUEL MASS RATIO

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 10/30/2001.

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

Condition 47: Compliance Certification

Effective between the dates of 07/18/2001 and 07/18/2006

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

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-1GTDB

Regulated Contaminant(s):

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

Item 47.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

While using natural gas:

A. For the first six months after the receipt of the
April 12, 1995 letter from Conrad Simon, EPA Division

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Director of Air and Waste Management, fuel nitrogen content monitoring was required to be conducted twice monthly. Because the fuel nitrogen content monitoring results showed little variability and consistent compliance with 40 CFR 60.332 then fuel nitrogen content is required to be monitored quarterly.

B. Should fuel nitrogen content monitoring, as required by item A. above, indicate noncompliance with 40 CFR 60-GG.332 the owner or operator shall notify EPA and New York State Department of Environmental Conservation (NYSDEC) within 15 calendar days of the occurrence(s). Fuel nitrogen content monitoring shall be conducted weekly during the interim period while the custom schedule is being re-examined by EPA. For the purposes of the excess emissions and monitoring system performance report, the following shall be defined as periods of excess emissions:

Any period during which the the fuel-bound nitrogen of the fuel is greater than the maximum nitrogen content allowed by the fuel-bound nitrogen allowance used during the required performance test. This performance test is required by the conditions contained in this permit.

C. Records of fuel analysis and fuel supply pertinent to this alternative natural gas monitoring schedule shall be retained for a period of 5 years, and be available for inspection by personnel of federal and state air pollution control agencies.

Parameter Monitored: NITROGEN CONTENT
Reference Test Method: Acceptable Method
Monitoring Frequency: QUARTERLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2001.
Subsequent reports are due every 3 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 07/18/2001 and 07/18/2006

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Facility DEC ID: 9025800018



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

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-1GTDB

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

While using natural gas:

A. For the first six months after the receipt of the April 12, 1995 letter from Conrad Simon, EPA Division Director of Air and Waste Management, fuel sulfur content monitoring was required to be conducted twice monthly. Because the fuel sulfur content monitoring results showed little variability and consistent compliance with 40 CFR 60.333, then fuel sulfur content is required to be monitored quarterly.

B. Should fuel sulfur content monitoring, as required by item A. above, indicate noncompliance with 40 CFR 60.333, the owner or operator shall notify EPA and New York State Department of Environmental Conservation (NYSDEC) within 15 calendar days of the occurrence(s). Fuel sulfur content monitoring shall be conducted weekly during the interim period while the custom schedule is being re-examined by EPA.

C. Records of fuel analysis and fuel supply pertinent to this alternative natural gas monitoring schedule shall be retained for a period of 5 years, and be available for inspection by personnel of federal and state air pollution control agencies.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NATURAL GAS

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.8 percent

Reference Test Method: ASTM D 1072-80

Monitoring Frequency: QUARTERLY



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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 10/30/2001.

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

Condition 49: Compliance Certification

Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 40CFR 60.335, NSPS Subpart GG

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-1GTDB

Regulated Contaminant(s):

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

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

- 1.) The facility shall test NO_x emissions from the turbine (before the SCR control) according to the procedure specified in 40 CFR 60.335. The water to fuel ratio for operating the gas turbine in compliance with the NO_x standard 40 CFR 60.332 shall be determined for 30, 50, 75, and 100 percent of peak load or at four points in the normal operating range of the gas turbine including the minimum point in the range and the peak load. Normal operation of this unit shall not be below base load - rather than operated as a peaking unit. This permit and associated emission limits are based on this method of operation.
- 2.) A stack test protocol shall be submitted to the Department for review 60 days after the permit issuance. The test can utilize existing stack CEMS which are demonstrated to meet quality assurance and control criteria.
- 3.) The stack test shall be completed within 45 days of Department acceptance of the test protocol.
- 4.) A final written report containing all results and



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QA/QC data shall be submitted within 45 days of completion of stack testing.

5.) The facility shall undertake appropriate corrective measures for any deficiencies in testing and reporting as a result of written comments from the Department.

6.) The nitrogen content of natural gas of <1.5% by weight resulting in an F factor of 0 and Y factor of 9.451kj/W-hr both provided by RG&E were used to determine the NOx limit according to the formula in 40 CFR 60.332. The calculated limit is 114 ppm.

Upper Permit Limit: 114 parts per million by volume

(dry, corrected to 15% O₂)

Reference Test Method: EPA Method 20

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 50: Applicability of the Title IV Acid Rain Regulations to a particular "new" generator unit which consists of one emission source.

Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 40CFR 72.6(a)(3)(i), Subpart A

Item 50.1:

This Condition applies to Emission Unit: U-1GTDB

Item 50.2:

This emission source is an affected unit and is subject to the requirements of the Acid Rain Program. These requirements are included in 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78.

Condition 51: Compliance Certification

Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-1GTDB

Process: GT1

Regulated Contaminant(s):

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

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Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

- 1.) Oxides of nitrogen emissions from the operation of the turbine alone are limited to 9 ppmv (by volume, dry, corrected to 15% O₂) and 14.84 lb/hr.
- 2.) The facility shall install, calibrate, maintain and operate a continuous monitoring and recording system (CEMS) to measure NO_x and O₂ in the gas turbine/duct burner exhaust which complies with Performance Specification 2 in Appendix B and the Quality Assurance Procedures in Appendix F of 40 CFR Part 60 or more stringent requirements of 40 CFR Part 75 where applicable. The CEMS shall measure NO_x in ppmv and lb/hr.
- 3.) Excess emissions shall be reported according to 40 CFR Part 60.7(c) and Quality Assurance Data according to 40 CFR 60 Appendix F.
- 4.) The facility shall submit a quarterly written CEMS excess emissions and quality assurance monitoring report to NYSDEC and EPA Region 2 for every calendar year quarter.
- 5.) All emission limits are based on heat input corresponding to the higher heating value of the fuel.
- 6.) The turbine and duct burner shall only be fired on natural gas.
- 7.) These limits apply at all loads of operation, except during periods of start-up, malfunction (as defined in 6 NYCRR Part 201.4) and shutdowns.

Manufacturer Name/Model Number: Rosemount Model 951C

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 9 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: EPA Method 7E

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 10/30/2001.

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

Condition 52: Compliance Certification
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-1GTDB

Process: GT1

Regulated Contaminant(s):

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

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

- 1.) Oxides of nitrogen emissions from the operation of the turbine alone are limited to 9 ppmv (by volume, dry, corrected to 15% O₂) and 14.84 lb/hr.
- 2.) The facility shall install, calibrate, maintain and operate a continuous monitoring and recording system (CEMS) to measure NO_x and O₂ in the gas turbine/duct burner exhaust which complies with Performance Specification 2 in Appendix B and the Quality Assurance Procedures in Appendix F of 40 CFR Part 60 or more stringent requirements of 40 CFR Part 75 where applicable. The CEMS shall measure NO_x in ppmv and lb/hr.
- 3.) Excess emissions shall be reported according to 40 CFR Part 60.7(c) and Quality Assurance Data according to 40 CFR 60 Appendix F.
- 4.) The facility shall submit a quarterly written CEMS excess emissions and quality assurance monitoring report to NYSDEC and EPA Region 2 for every calendar year quarter.
- 5.) All emission limits are based on heat input corresponding to the higher heating value of the fuel.
- 6.) The turbine and duct burner shall only be fired on

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natural gas.

7.) These limits apply at all loads of operation, except during periods of start-up, malfunction (as defined in 6 NYCRR Part 201.4 and shutdowns.

Manufacturer Name/Model Number: Rosemount Model 951C
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 14.84 pounds per hour
Reference Test Method: EPA Method 7E
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 10/30/2001.
Subsequent reports are due every 3 calendar month(s).

Condition 53: Compliance Certification
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-1GTDB
Process: GT1

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

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

- 1.) Carbon monoxide emissions from the operation of the turbine alone are limited to 15 ppmv (by volume, dry, corrected to 15% O₂) and 10 lb/hr.
- 2.) The facility shall install, calibrate, maintain and operate a continuous monitoring and recording system (CEMS) to measure CO and O₂ in the gas turbine/duct burner exhaust which complies with Performance Specification 2 in Appendix B and the Quality Assurance Procedures in Appendix F of 40 CFR Part 60 or more stringent requirements of 40 CFR Part 75 where applicable. The CEMS shall measure CO in ppmv and lb/hr.

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- 3.) Excess emissions shall be reported according to 40 CFR Part 60.7(c) and Quality Assurance Data according to 40 CFR 60 Appendix F.
- 4.) The facility shall submit a quarterly written CEMS excess emissions and quality assurance monitoring report to NYSDEC and EPA Region 2 for every calendar year quarter.
- 5.) All emission limits are based on heat input corresponding to the higher heating value of the fuel.
- 6.) The turbine and duct burner shall only be fired on natural gas.
- 7.) These limits apply at all loads of operation, except during periods of start-up, malfunction (as defined in 6 NYCRR Part 201.4) and shutdowns.

Manufacturer Name/Model Number: Siemens Ultramat 5E analyzer
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 10 pounds per hour
Reference Test Method: EPA Method 10
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 10/30/2001.
Subsequent reports are due every 3 calendar month(s).

Condition 54: Compliance Certification
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-1GTDB
Process: GT1

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

Item 54.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

- 1.) Carbon monoxide emissions from the operation of the turbine alone are limited to 15 ppmv (by volume, dry, corrected to 15% O₂) and 10 lb/hr.
- 2.) The facility shall install, calibrate, maintain and operate a continuous monitoring and recording system (CEMS) to measure CO and O₂ in the gas turbine/duct burner exhaust which complies with Performance Specification 2 in Appendix B and the Quality Assurance Procedures in Appendix F of 40 CFR Part 60 or more stringent requirements of 40 CFR Part 75 where applicable. The CEMS shall measure CO in ppmv and lb/hr.
- 3.) Excess emissions shall be reported according to 40 CFR Part 60.7(c) and Quality Assurance Data according to 40 CFR 60 Appendix F.
- 4.) The facility shall submit a quarterly written CEMS excess emissions and quality assurance monitoring report to NYSDEC and EPA Region 2 for every calendar year quarter.
- 5.) All emission limits are based on heat input corresponding to the higher heating value of the fuel.
- 6.) The turbine and duct burner shall only be fired on natural gas.
- 7.) These limits apply at all loads of operation, except during periods of start-up, malfunction (as defined in 6 NYCRR Part 201.4) and shutdowns.

Manufacturer Name/Model Number: Siemens Ultramat 5E analyzer

Parameter Monitored: CARBON MONOXIDE

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

Reference Test Method: EPA Method 10

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 10/30/2001.

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

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Condition 55: Compliance Certification

Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-1GTDB

Process: GT2

Regulated Contaminant(s):

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

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

- 1.) Oxides of nitrogen emissions from the operation of the turbine and the duct burner are limited to 9 ppmv (by volume, dry, corrected to 15% O₂) and 17.21 lb/hr.
- 2.) The facility shall install, calibrate, maintain and operate a continuous monitoring and recording system (CEMS) to measure NO_x and O₂ in the gas turbine/duct burner exhaust which complies with Performance Specification 2 in Appendix B and the Quality Assurance Procedures in Appendix F of 40 CFR Part 60 or more stringent requirements of 40 CFR Part 75 where applicable. The CEMS shall measure NO_x in ppmv and lb/hr.
- 3.) Excess emissions shall be reported according to 40 CFR Part 60.7(c) and Quality Assurance Data according to 40 CFR 60 Appendix F.
- 4.) The facility shall submit a quarterly written CEMS excess emissions and quality assurance monitoring report to NYSDEC and EPA Region 2 for every calendar year quarter.
- 5.) All emission limits are based on heat input corresponding to the higher heating value of the fuel.
- 6.) The turbine and duct burner shall only be fired on natural gas.



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7.) These limits apply at all loads of operation, except during periods of start-up, malfunction (as defined in 6 NYCRR Part 201.4 and shutdowns.

Manufacturer Name/Model Number: Rosemount Model 951C

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 9 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: EPA Method 7E

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 10/30/2001.

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

Condition 56: Compliance Certification
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-1GTDB

Process: GT2

Regulated Contaminant(s):

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

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

1.) Oxides of nitrogen emissions from the operation of the turbine and the duct burner are limited to 9 ppmv (by volume, dry, corrected to 15% O₂) and 17.21 lb/hr.

2.) The facility shall install, calibrate, maintain and operate a continuous monitoring and recording system (CEMS) to measure NO_x and O₂ in the gas turbine/duct burner exhaust which complies with Performance Specification 2 in Appendix B and the Quality Assurance Procedures in Appendix F of 40 CFR Part 60 or more stringent requirements of 40 CFR Part 75 where applicable. The CEMS shall measure NO_x in ppmv and lb/hr.



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- 3.) Excess emissions shall be reported according to 40 CFR Part 60.7(c) and Quality Assurance Data according to 40 CFR 60 Appendix F.
- 4.) The facility shall submit a quarterly written CEMS excess emissions and quality assurance monitoring report to NYSDEC and EPA Region 2 for every calendar year quarter.
- 5.) All emission limits are based on heat input corresponding to the higher heating value of the fuel.
- 6.) The turbine and duct burner shall only be fired on natural gas.
- 7.) These limits apply at all loads of operation, except during periods of start-up, malfunction (as defined in 6 NYCRR Part 201.4) and shutdowns.

Manufacturer Name/Model Number: Rosemount Model 951C
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 17.21 pounds per hour
Reference Test Method: EPA Method 7E
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 10/30/2001.
Subsequent reports are due every 3 calendar month(s).

Condition 57: Compliance Certification
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-1GTDB
Process: GT2

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

Item 57.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

- 1.) Carbon monoxide emissions from the operation of the turbine and the duct burner are limited to 15 ppmv (by volume, dry, corrected to 15% O₂) and 17.8 lb/hr.
- 2.) The facility shall install, calibrate, maintain and operate a continuous monitoring and recording system (CEMS) to measure CO and O₂ in the gas turbine/duct burner exhaust which complies with Performance Specification 2 in Appendix B and the Quality Assurance Procedures in Appendix F of 40 CFR Part 60 or more stringent requirements of 40 CFR Part 75 where applicable. The CEMS shall measure CO in ppmv and lb/hr.
- 3.) Excess emissions shall be reported according to 40 CFR Part 60.7(c) and Quality Assurance Data according to 40 CFR 60 Appendix F.
- 4.) The facility shall submit a quarterly written CEMS excess emissions and quality assurance monitoring report to NYSDEC and EPA Region 2 for every calendar year quarter.
- 5.) All emission limits are based on heat input corresponding to the higher heating value of the fuel.
- 6.) The turbine and duct burner shall only be fired on natural gas.
- 7.) These limits apply at all loads of operation, except during periods of start-up, malfunction (as defined in 6 NYCRR Part 201.4) and shutdowns.

Manufacturer Name/Model Number: Siemens Ultramat 5E analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 17.8 pounds per hour

Reference Test Method: EPA Method 10

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 10/30/2001.

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

Condition 58: Compliance Certification

Effective between the dates of 07/18/2001 and 07/18/2006

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Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-1GTDB

Process: GT2

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

- 1.) Carbon monoxide emissions from the operation of the turbine and the duct burner are limited to 15 ppmv (by volume, dry, corrected to 15% O₂) and 17.8 lb/hr.
- 2.) The facility shall install, calibrate, maintain and operate a continuous monitoring and recording system (CEMS) to measure CO and O₂ in the gas turbine/duct burner exhaust which complies with Performance Specification 2 in Appendix B and the Quality Assurance Procedures in Appendix F of 40 CFR Part 60 or more stringent requirements of 40 CFR Part 75 where applicable. The CEMS shall measure CO in ppmv and lb/hr.
- 3.) Excess emissions shall be reported according to 40 CFR Part 60.7(c) and Quality Assurance Data according to 40 CFR 60 Appendix F.
- 4.) The facility shall submit a quarterly written CEMS excess emissions and quality assurance monitoring report to NYSDEC and EPA Region 2 for every calendar year quarter.
- 5.) All emission limits are based on heat input corresponding to the higher heating value of the fuel.
- 6.) The turbine and duct burner shall only be fired on natural gas.
- 7.) These limits apply at all loads of operation, except during periods of start-up, malfunction (as defined in 6

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NYCRR Part 201.4 and shutdowns.

Manufacturer Name/Model Number: Siemens Ultramat 5E analyzer

Parameter Monitored: CARBON MONOXIDE

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

Reference Test Method: EPA Method 10

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 10/30/2001.

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

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STATE ONLY ENFORCEABLE CONDITIONS

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

Condition 59: General Provisions

Effective between the dates of 07/18/2001 and 07/18/2006

Applicable State Requirement: 6NYCRR 201-5.

Item 59.1:

This section contains terms and conditions that are not federally enforceable and are not required under the Act or under any of its applicable requirements. Terms and conditions so designated are not subject to the requirements of Section 201-6.4 of Part 201.

Item 59.2:

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

Item 59.3:

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Condition 60: Contaminant List

Effective between the dates of 07/18/2001 and 07/18/2006

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

Item 60.1:

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

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN



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CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Condition 61: Air pollution prohibited
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable State Requirement: 6NYCRR 211.2

Item 61.1:

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

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

Condition 62: Compliance Demonstration
Effective between the dates of 07/18/2001 and 07/18/2006

Applicable State Requirement: 6NYCRR 212.9(b)

Item 62.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-1GTDB

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 62.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

- 1.) Ammonia slip shall be monitored after the selective catalytic reactor (SCR) and used to operate the the SCR effectively. The average ammonia emissions shall be recorded hourly.
- 2.) The SCR shall be operated at all times that the turbine and the turbine duct burner combination are operated.
- 3.) All emission limits are based on heat input

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corresponding to the higher heating value of the fuel.

4.) The turbine and duct burner shall only be fired on natural gas.

5.) These limits apply at all loads of operation, except during periods of start-up, malfunction (as defined in 6 NYCRR Part 201.4 and shutdowns.

Manufacturer Name/Model Number: Rosemount Model 951C

Parameter Monitored: AMMONIA

Upper Permit Limit: 19.8 pounds per hour

Reference Test Method: None

Monitoring Frequency: HOURLY

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2001.

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