

New York State Department of Environmental Conservation
Facility DEC ID: 9292600016



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-2926-00016/00036
Effective Date: 01/18/2005 Expiration Date: 08/30/2009

Permit Issued To: LOCKPORT ENERGY ASSOC LP / FCI LOCKPORT
5087 JUNCTION RD
LOCKPORT, NY 14094

Contact: LEWIS L STALEY
LOCKPORT ENERGY ASSOC LP
5087 JUNCTION RD
LOCKPORT, NY 14094

Facility: LOCKPORT COGENERATION FACILITY
5087 JUNCTION RD
LOCKPORT, NY 14094

Description:

The Lockport Cogeneration Facility in Lockport, New York, generates steam and electric power using three combustion turbine generators (CTGs) followed by three heat recovery steam generators (HRSGs) and a steam turbine generator (STG). The plant is designed to generate a nominal 198 megawatts (MW) of electricity while providing up to 315,800 pounds per hour (lb/hr) of process steam. The plant operates as a base load facility on a year-round basis and supplies all the electricity and steam required by the host facility (Delphi Harrison). The excess electric power is sold to the local utility (New York State Electric and Gas Corporation). A standby auxiliary boiler is used to supply process steam when one or more of the HRSGs is out of service or additional steam is required for process and NO_x control.

This permit is a renewal of the existing Prevention of Significant Deterioration (PSD) and Title V permits.

Lockport Cogen has divided the facility into three Emission Units for their Title V Permit. Emission Unit U-3GTDB consists of the three General Electric Model P-6541B Frame 6 CTGs which fire with natural gas or No.2 fuel oil with a heat input of 531 mmBtu/hr. The combustion turbines are equipped with steam injection to reduce NO_x and CO emissions. Evaporative cooling systems have been installed to increase efficiency and improve NO_x control during the warmer months. The three Nooter/Erickson HRSGs are equipped with duct burners rated at 110 mmBtu/hr and at maximum heat input increase the plant output by 12 megawatts. This provides additional steam for NO_x control and processes. Exhaust gases from each CTG/HRSG train are discharged to the atmosphere through separate 123 inch inside diameter (ID), 130-foot-tall exhaust stacks. If the economizer and superheater of a given CTG/HRSG train are not required, exhaust gases from that CTG are discharged through the 144- inch ID, 100-foot-tall bypass stack of that given CTG/HRSG train.



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Emission Unit U-00002 consists of the Babcock and Wilcox auxiliary boiler which is capable of firing natural gas or No.2 fuel oil. The auxiliary boiler has a maximum heat input of 210 mmBtu/hr and is provided with low NOx burners and gas recirculation. While firing natural gas exhaust gases from the boiler are discharged to the atmosphere through a 48-inch ID exhaust stack 135 feet above grade.

Emission Unit U-00003 consists of three Detroit Diesel/12VA-85431 starting engines. Each one of these engines is used to rotate the gas turbine to a speed at which it can fire. Exhaust gases from the diesels are discharged to the atmosphere through separate 8-inch ID, 8-foot-tall exhaust stacks.

This facility is an existing major source under the Prevention of Significant Deterioration (PSD) program. In addition, the facility's three gas turbines are subject to New Source Performance Standards (NSPS) Subpart GG, and the three duct burners and one auxiliary boiler are subject to NSPS Subpart Db. This Title V renewal permit contains a complete listing of the applicable federal, state and compliance monitoring requirements for the facility, its emission units, processes and sources.

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: DAVID S DENK
 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

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

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.

Item 3.3:



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Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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 in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

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

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

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 9 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2999
(716) 851-7165



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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Authorized Activity By Standard Industrial Classification Code:



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 201-6: Emission Unit Definition
- 2 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 3 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 4 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 5 6NYCRR 201-6.5(e): Compliance Certification
- 6 6NYCRR 202-2.1: Compliance Certification
- 7 6NYCRR 202-2.5: Recordkeeping requirements
- 8 6NYCRR 204-1.6: Permit requirements.
- 9 6NYCRR 204-2.1: Submissions to the Department.
- 10 6NYCRR 204-4.1: Contents of reports and compliance certifications.
- 11 6NYCRR 204-4.1: Discretionary report contents.
- 12 6NYCRR 204-4.1: Compliance Certification
- 13 6NYCRR 204-7.1: Submission of NOx allowance transfers.
- 14 6NYCRR 204-8.1: General provisions.
- 15 6NYCRR 204-8.1: Prohibitions.
- 16 6NYCRR 204-8.1: Requirements for installation, certification, and data accounting.
- 17 6NYCRR 204-8.2: Requirements for recertification of monitoring systems.
- 18 6NYCRR 204-8.3: Out of control periods.
- 19 6NYCRR 204-8.4: Compliance Certification
- 20 6NYCRR 204-8.7: Compliance Certification
- 21 40CFR 52.21, Subpart A: Compliance Certification
- 22 40CFR 52.21, Subpart A: Compliance Certification
- 23 40CFR 52.21, Subpart A: Compliance Certification
- 24 40CFR 52.21, Subpart A: Compliance Certification
- 25 40CFR 60.8, NSPS Subpart A: Performance tests
- 26 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 27 40CFR 60.14, NSPS Subpart A: Modifications.
- 28 40CFR 60, NSPS Subpart Db: Compliance Certification
- 29 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification
- 30 40CFR 68: Accidental release provisions.
- 31 40CFR 82, Subpart F: Recycling and Emissions Reduction

Emission Unit Level

- 32 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 33 6NYCRR 201-6: Process Definition By Emission Unit

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- 34 6NYCRR 227-1.3(a): Compliance Certification
- 35 40CFR 52.21, Subpart A: Compliance Certification
- 36 40CFR 52.21, Subpart A: Compliance Certification
- 37 40CFR 52.21, Subpart A: Compliance Certification
- 38 40CFR 52.21, Subpart A: Compliance Certification



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- 39 40CFR 52.21, Subpart A: Compliance Certification
- 40 40CFR 52.21, Subpart A: Compliance Certification
- 41 40CFR 52.21, Subpart A: Compliance Certification
- 42 40CFR 60.12, NSPS Subpart A: Circumvention.
- 43 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 44 40CFR 60.13(i), NSPS Subpart A: Compliance Certification
- 45 40CFR 60.42b(j), NSPS Subpart Db: Demonstration criteria for low sulfur oil.
- 46 40CFR 60.44b(k), NSPS Subpart Db: Oxides of nitrogen standard exemption.
- 47 40CFR 60.45b(j), NSPS Subpart Db: Compliance Certification

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- 48 40CFR 60, NSPS Subpart Db: Compliance Certification
- 49 40CFR 60.42b(a), NSPS Subpart Db: Sulfur dioxide standard.
- 50 40CFR 60.43b(f), NSPS Subpart Db: Opacity standard.
- 51 40CFR 60.47b(f), NSPS Subpart Db: Alternative sulfur dioxide monitoring method.

EU=U-00003

- 52 6NYCRR 227-1.3(a): Compliance Certification
- 53 40CFR 52.21, Subpart A: Compliance Certification

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- 54 6NYCRR 227-1.3(a): Compliance Certification
- 55 6NYCRR 227-2.6(a)(1): Testing, monitoring, and reporting requirements for very large boilers.
- 56 40CFR 52.21, Subpart A: Compliance Certification
- 57 40CFR 52.21, Subpart A: Compliance Certification
- 58 40CFR 52.21, Subpart A: Compliance Certification
- 59 40CFR 52.21, Subpart A: Compliance Certification
- 60 40CFR 52.21, Subpart A: Compliance Certification
- 61 40CFR 52.21, Subpart A: Compliance Certification
- 62 40CFR 52.21, Subpart A: Compliance Certification
- 63 40CFR 52.21, Subpart A: Compliance Certification
- 64 40CFR 52.21, Subpart A: Compliance Certification
- 65 40CFR 52.21, Subpart A: Compliance Certification
- 66 40CFR 52.21, Subpart A: Compliance Certification
- 67 40CFR 52.21, Subpart A: Compliance Certification
- 68 40CFR 52.21, Subpart A: Compliance Certification
- 69 40CFR 52.21, Subpart A: Compliance Certification
- 70 40CFR 60.12, NSPS Subpart A: Circumvention.
- 71 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 72 40CFR 60.333(b), NSPS Subpart GG: Compliance Certification
- 73 40CFR 60.334, NSPS Subpart GG: Compliance Certification

EU=U-3GTDB,Proc=DCT

- 74 40CFR 52.21, Subpart A: Compliance Certification
- 75 40CFR 52.21, Subpart A: Compliance Certification
- 76 40CFR 52.21, Subpart A: Compliance Certification

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STATE ONLY ENFORCEABLE CONDITIONS

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- 77 ECL 19-0301: Contaminant List
 - 78 6NYCRR 201-1.4: Unavoidable noncompliance and violations
 - 79 6NYCRR 211.2: Air pollution prohibited
 - 80 6NYCRR 237-1.4(a): Applicable Facility, with a unit of a capacity of 25 MWe or greater
 - 81 6NYCRR 237-1.6(a): Permit Requirements
 - 82 6NYCRR 237-1.6(c): Compliance Demonstration
 - 83 6NYCRR 237-2: Authorization and responsibilities of the NOx authorized account representative
 - 84 6NYCRR 237-4.1: Compliance Demonstration
 - 85 6NYCRR 237-7.1: Submission of NOx allowance transfers
 - 86 6NYCRR 237-8: Compliance Demonstration
- 4931 - ELEC & OTHER SERVICES COMBINED

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FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Sealing - 6NYCRR Part 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

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

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

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

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

Item C: Maintenance of Equipment - 6NYCRR Part 200.7

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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.

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

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

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

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

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

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

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

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

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

(4) The facility owner and/or operator notified the



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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.

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

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

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

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

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

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

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

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject



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to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

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

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

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

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

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

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

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

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

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renewal application.

Item N: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)

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

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

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

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

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

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

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

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

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

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

Upon presentation of credentials and other documents, as

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may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

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

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

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

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

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

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

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or corrective measures adopted.

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

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the Administrator and the Department with written notification in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

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

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

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or



contributing to such pollution;

- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

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

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

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

Proceedings to reopen and issue Title V facility permits

New York State Department of Environmental Conservation

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shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

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

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

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

Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3

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

Item AA: Open Fires - 6 NYCRR Part 215

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

Item BB: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to

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the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

FEDERAL APPLICABLE REQUIREMENTS

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

**Condition 1: Emission Unit Definition
Effective between the dates of 01/18/2005 and 08/30/2009**

Applicable Federal Requirement: 6NYCRR 201-6

Item 1.1:

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

Emission Unit: U-00002

Emission Unit Description:

AUXILIARY STANDBY BOILER.

Building(s): GENBLDG

Item 1.2:

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

Emission Unit: U-00003

Emission Unit Description:

THREE STARTING DIESEL ENGINES FOR GAS TURBINES. EACH ENGINE (@ 4.26 MMBTU/HR) IS LIMITED TO 475 HOURS OF OPERATION PER YEAR. THESE UNITS DO NOT HAVE ANY FEDERALLY



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ENFORCEABLE OR STATE-ONLY POLLUTANT
EMISSION LIMITS.

Building(s): GENBLDG

Item 1.3:

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

Emission Unit: U-3GTDB

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF THREE (3) IDENTICAL COMBINED CYCLE GAS TURBINES. EACH GAS TURBINE (DESIGNED FOR 45 MW @ 47 DEG F and 531 MMBTU/HR HEAT INPUT @ 47 DEG F) IS EQUIPPED WITH A STEAM INJECTION SYSTEM FOR CONTROL OF NOX EMISSIONS. EACH GAS TURBINE HAS AN INDIVIDUAL HEAT RECOVERY STEAM GENERATOR (HRSG) EXHAUST STACK AND AN HRSG BYPASS STACK. FLUE GAS GENERATED BY EACH GAS TURBINE IS EXHAUSTED TO THE ATMOSPHERE THROUGH EITHER THE OPERATING GAS TURBINE'S HRSG BYPASS STACK (BYPASS MODE) OR THE OPERATING TURBINE'S HRSG STACK (COMBINED CYCLE MODE). WHILE OPERATING IN COMBINED CYCLE MODE, THE DUCT BURNERS (EACH @ 110 MMBTU/HR HEAT INPUT DESIGN CAPACITY) MAY BE OPERATED TO HEAT THE GAS TURBINE'S EXHAUST GAS BEFORE IT ENTERS THE HRSG.

Building(s): GENBLDG
HRSGBLD1
HRSGBLD2
HRSGBLD3
YARD

**Condition 2: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 01/18/2005 and 08/30/2009**

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

Item 2.1:

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

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;

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(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 a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 3: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 01/18/2005 and 08/30/2009

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

Item 3.1:

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

Condition 4: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

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

Item 4.1:

The Compliance Certification activity will be performed for the Facility.

Item 4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

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

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

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

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A

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written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

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

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) 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.



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 5: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

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

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well 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 Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

270 Michigan Avenue
Buffalo, NY 14203-2999

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

Subsequent reports are due on the same day each year

Condition 6: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 6NYCRR 202-2.1



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Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 7: Recordkeeping requirements
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 7.1:

(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 8: Permit requirements.
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 6NYCRR 204-1.6

Item 8.1: The NOx authorized account representative of each NOx budget unit shall submit to the Department a complete NOx Budget permit application (as defined under Section 204-3.3) by May 1, 2002 or 12 months before the date on which the NOx Budget unit commences operation.

Condition 9: Submissions to the Department.
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 6NYCRR 204-2.1

Item 9.1: Each submission under the NOx Budget Trading Program shall be submitted, signed and



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certified by the NO_x authorized account representative for each NO_x Budget source on behalf of which the submission is made. Each submission shall include a certification statement (as stated in paragraph 204-2.4(a)(4)) by the NO_x authorized account representative.

**Condition 10: Contents of reports and compliance certifications.
Effective between the dates of 01/18/2005 and 08/30/2009**

Applicable Federal Requirement: 6NYCRR 204-4.1

Item 10.1: The NO_x authorized account representative shall include in the compliance certification report the following elements, in a format prescribed by the Administrator, concerning each unit at the source and subject to the NO_x Budget emissions limitation for the control period covered by the report:

- (1) Identification of each NO_x Budget unit; and
- (2) In the compliance certification report the NO_x authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the NO_x Budget units at the source in compliance with the NO_x Budget Trading Program, whether each NO_x Budget unit for which the compliance certification is submitted was operated during the calendar year covered by the report in compliance with the requirements of the NO_x Budget Trading Program applicable to the unit, including:
 - (i) Whether the unit was operated in compliance with the NO_x Budget emissions limitation;
 - (ii) Whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute NO_x emissions to the unit, in accordance with Subpart 204-8;
 - (iii) Whether all the NO_x emissions from the unit, or a group of units (including the unit) using a common stack, were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 204-8. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions has been made;
 - (iv) Whether the facts that form the basis for certification under Subpart 204-8 of each monitor at the unit or a group of units (including the unit) using a common stack, or for using an excepted monitoring method or alternative monitoring method approved under Subpart 204-8, if any, has changed; and
 - (v) If a change is required to be reported under item (iv) above, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

**Condition 11: Discretionary report contents.
Effective between the dates of 01/18/2005 and 08/30/2009**

Applicable Federal Requirement: 6NYCRR 204-4.1

Item 11.1: At the NO_x authorized account representative's option the following may be included in the compliance certification report:



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- (1) The serial numbers of the NOx allowances that are to be deducted from each unit's compliance account under Section 204-6.5 for the control period; and
- (2) For units sharing a common stack and having NOx emissions that are not monitored separately or apportioned in accordance with Subpart 204-8, the percentage of NOx allowances that is to be deducted from each unit's compliance account under Subdivision 204-6.5(e).

Condition 12: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 6NYCRR 204-4.1

Item 12.1:

The Compliance Certification activity will be performed for the Facility.

Item 12.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 13: Submission of NOx allowance transfers.
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 6NYCRR 204-7.1

Item 13.1: The NOx authorized account representatives seeking recordation of a NOx allowance transfer shall submit the transfer to the Administrator. To be considered correctly submitted, the NOx allowance transfer shall include the following elements in a format specified by the Administrator:

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

Condition 14: General provisions.
Effective between the dates of 01/18/2005 and 08/30/2009

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Applicable Federal Requirement: 6NYCRR 204-8.1

Item 14.1: The owners and operators, and to the extent applicable, the NOx authorized account representative of a NOx Budget unit, shall comply with the monitoring and reporting requirements as provided in this Subpart and in Subpart H of 40 CFR Part 75. For purposes of complying with such requirements, the definitions in Section 204-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be replaced by the terms "NOx Budget unit," "NOx authorized account representative," and "continuous emission monitoring system" (or "CEMS"), respectively, as defined in Section 204-1.2.

Condition 15: Prohibitions.

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 6NYCRR 204-8.1

Item 15.1: No owner or operator of a NOx Budget unit or a non-NOx Budget unit monitored under 40 CFR 75.72(b)(2)(ii) shall:

- (1) use any alternative monitoring system, alternative reference method, or any other alternative for the required continuous emission monitoring system without having obtained prior written approval in accordance with Section 204-8.6;
- (2) operate the unit so as to discharge, or allow to be discharged, NOx emissions to the atmosphere without accounting for all such emissions in accordance with the applicable provisions of this Subpart and 40 CFR Part 75 except as provided for in 40 CFR 75.74;
- (3) disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NOx mass emissions discharged into the atmosphere, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this Subpart and 40 CFR Part 75 except as provided for in 40 CFR 75.74; and
- (4) permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved emission monitoring system under this Subpart, except under any one of the following circumstances:
 - (i) The owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this Subpart and 40 CFR Part 75, by the Department for use at that unit that provides emission data for the same pollutant or parameter as the discontinued monitoring system; or
 - (ii) The NOx authorized account representative submits notification of the date of certification testing of a replacement monitoring system in accordance with Paragraph 204-8.2(b)(2).

Condition 16: Requirements for installation, certification, and data accounting.

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 6NYCRR 204-8.1

Item 16.1: The owner or operator of each NOx Budget unit must meet the following requirements.



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These provisions also apply to a unit for which an application for a NOx Budget opt-in permit is submitted and not denied or withdrawn, as provided in Subpart 204-9:

- (1) Install all monitoring systems required under this Subpart for monitoring NOx mass. This includes all systems required to monitor NOx emission rate, NOx concentration, heat input, and air or fuel flow, in accordance with 40 CFR 75.71 and 75.72.
- (2) Install all monitoring systems for monitoring heat input, if required under Section 204-8.7 for developing NOx allowance allocations.
- (3) Successfully complete all certification tests required under Section 204-8.2 and meet all other provisions of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraphs (a)(1) and (2) of this section.
- (4) Record and report data from the monitoring systems under paragraphs (a)(1) and (2) of this section.

**Condition 17: Requirements for recertification of monitoring systems.
Effective between the dates of 01/18/2005 and 08/30/2009**

Applicable Federal Requirement: 6NYCRR 204-8.2

Item 17.1: Whenever the owner or operator makes a replacement, modification, or change in a certified monitoring system that the Administrator or the Department determines significantly affects the ability of the system to accurately measure or record NOx mass emissions or heat input or to meet the requirements of 40 CFR 75.21 or Appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system according to 40 CFR 75.20(b). Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit's operation that the Administrator or the Department determines to significantly change the flow or concentration profile, the owner or operator shall recertify the continuous emissions monitoring system according to 40 CFR 75.20(b). Examples of changes which require recertification include: replacement of the analyzer, change in location or orientation of the sampling probe or site, or changing of flow rate monitor polynomial coefficients.

**Condition 18: Out of control periods.
Effective between the dates of 01/18/2005 and 08/30/2009**

Applicable Federal Requirement: 6NYCRR 204-8.3

Item 18.1: Whenever any monitoring system fails to meet the quality assurance requirements of Appendix B of 40 CFR Part 75, data shall be substituted using the applicable procedures in Subpart D, Appendix D, or Appendix E of 40 CFR Part 75.

**Condition 19: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009**

Applicable Federal Requirement: 6NYCRR 204-8.4

Item 19.1:
The Compliance Certification activity will be performed for the Facility.

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Item 19.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

The address for the USEPA Administrator is as follows:

USEPA Clean Air Markets Division
1200 Pennsylvania Avenue, NW
Mail Code 6204J
Washington D.C. 20460

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

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

AAR changes should be sent to the attention of:

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

The address for the RAPCE is as follows:

270 Michigan Avenue
Buffalo, NY 14203-2999

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 20: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 6NYCRR 204-8.7

Item 20.1:

The Compliance Certification activity will be performed for the Facility.

Item 20.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

Monitoring Frequency: HOURLY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2005.
Subsequent reports are due every 3 calendar month(s).

Condition 21: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 21.1:

The Compliance Certification activity will be performed for the Facility.

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Item 21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE FACILITY SHALL BE ACCESSIBLE TO
NYSDEC PERSONNEL FOR ROUTINE INSPECTIONS
DURING REASONABLE BUSINESS HOURS AND AT
ANY TIME IF THERE IS CAUSE TO BELIEVE
THAT THE FACILITY IS NOT IN COMPLIANCE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 22: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 22.1:

The Compliance Certification activity will be performed for the Facility.

Item 22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A SUMMARY OF EMISSION LIMITS AND
OPERATING RESTRICTIONS OF THIS PERMIT
MUST BE POSTED IN THE CONTROL ROOM OF
THIS FACILITY AND BE PLAINLY VISIBLE TO
THE FACILITY OPERATOR.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 23: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

AMBIENT AIR TEMPERATURE AT THE FACILITY
MUST BE CONTINUOUSLY MEASURED AND
RECORDED WITHIN AN ACCURACY OF +/- 1 DEG
F.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 24: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

THE SULFUR CONTENT OF THE DISTILLATE NO.
2 FUEL OIL CONSUMED AT THE FACILITY SHALL
NOT EXCEED 0.20 PER CENT BY WEIGHT.
SAMPLING OF THE FUEL OIL TO DETERMINE
COMPLIANCE SHALL BE PERFORMED AS STATED
IN THE JUNE 10, 1994 USEPA LETTER COPY
ATTACHED, 3 PAGES, WHICH IS A REQUIREMENT
OF THIS PERMIT. THIS DOCUMENT STATES
THAT OIL SULFUR AND NITROGEN CONTENT WILL
BE TESTED THROUGH A COMPOSITE OIL SAMPLE
FROM EACH STORAGE TANK AFTER DELIVERY OF
NEW OIL. ALSO, RECORDS OF FUEL ANALYSIS
AND FUEL SUPPLY PERTINENT TO THIS
ALTERNATIVE FUEL MONITORING SCHEDULE
SHALL BE RETAINED FOR A PERIOD OF FIVE
(5) YEARS (NOT THREE ((3)) YEARS AS
STATED IN THE JUNE 10, 1994
CORRESPONDENCE). NOTE: FOR SOURCES THAT
ARE EQUIPPED WITH CERTIFIED NO_x CEMS AND

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



DO NOT SEEK TO USE THE FUEL-BOUND
NITROGEN CREDIT, SAMPLING TO DETERMINE
THE DAILY FUEL NITROGEN CONCENTRATION IS
NOT REQUIRED.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.2 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 12 calendar month(s).

Condition 25: Performance tests

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60.8, NSPS Subpart A

Item 25.1:

This facility is subject to the provisions of this Part.

Condition 26: Opacity standard compliance testing.

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60.11, NSPS Subpart A

Item 26.1:

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

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A of 40 CFR Part 60 (or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

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

Condition 27: Modifications.

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

Item 27.1:

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

Condition 28: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60, NSPS Subpart Db

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40CFR60 Subpart Db applies specifically to emission unit U-00002 and emission source DCTBN for processes DCT, GT2, GT4, GT7 and GT9 (duct burner systems only) in emission unit U-3GTDB.

40CFR60.49b(f) For facilities subject to the opacity standard under 60.43b, the owner or operator shall maintain records of opacity.

40CFR60.49b(h) The owner or operator shall submit excess emission reports for any calendar quarter during which there are excess emissions from the affected facility. If there are no excess emissions during the calendar quarter, the owner or operator shall submit a report semiannually stating that no excess emissions occurred during that semiannual reporting period.

40CFR60.49b(j) The owner or operator of an affected facility subject to the sulfur dioxide standards under 60.42b shall submit written reports to the Administrator for every semi-annual period. All semi-annual reports shall be postmarked by the 30th day following the end of each semi-annual period.

40CFR60.49b(o) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

40CFR60.49b(p) The owner or operator of an affected



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

facility described in 60.44b(j) or (k) shall maintain records of the following information for each steam generating unit operating day:

- (1) Calendar date,
- (2) The number of hours of operation, and
- (3) A record of the hourly steam load.

40CFR60.49b(q) An owner or operator of an affected facility described in 60.44b(j) or (k) shall submit to the Administrator on a semi-annual basis:

- (1) The annual capacity factor over the past 12 months;
- (2) The average fuel nitrogen content during the semi-annual period; and
- (3) If the affected facility meets the criteria described in 60.44b(j), the results of any nitrogen oxides emission tests required during the semi-annual period, the hours of operation during the semi-annual period, and the hours of operation since the last nitrogen oxides emission test.

40CFR60.49b(r) The owner or operator who elects to demonstrate that the affected facility combusts only very low sulfur oil shall obtain and maintain at the facility fuel receipts from the fuel supplier which certify that the the oil meets the definition of distillate oil as defined 40CFR60.41b. For the purposes of this requirement, the oil need not meet the fuel nitrogen content specification in the definition of distillate oil.

Semi-annual reports shall be submitted to the Administrator certifying that only very low sulfur oil was combusted in the affected facility during the preceding period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 29: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

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

Item 29.1:

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



The Compliance Certification activity will be performed for the Facility.

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40CFR60.49b(d) applies to emission unit U-00002 and emission source DCTBN for processes DCT, GT2, GT4, GT7 and GT9 (duct burner systems only) in emission unit U-3GTDB.

The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type waste for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 30: Accidental release provisions.
Effective between the dates of 01/18/2005 and 08/30/2009**

Applicable Federal Requirement: 40CFR 68

Item 30.1:

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

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

Risk Management Plan Reporting Center
C/O CSC



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

8400 Corporate Dr
Carrollton, Md. 20785

Condition 31: Recycling and Emissions Reduction
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 31.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

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

Condition 32: Emission Point Definition By Emission Unit
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 6NYCRR 201-6

Item 32.1:

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

Emission Unit: U-00002

Emission Point: 00007

Height (ft.): 135

Diameter (in.): 48

NYTMN (km.): 4785.62

NYTME (km.): 195.429

Building: GENBLDG

Item 32.2:

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

Emission Unit: U-00003

Emission Point: 00008

Height (ft.): 8

Diameter (in.): 8

NYTMN (km.): 4785.62

NYTME (km.): 195.429

Building: GENBLDG

Emission Point: 00009

Height (ft.): 8

Diameter (in.): 8

NYTMN (km.): 4785.62

NYTME (km.): 195.429

Building: GENBLDG

Emission Point: 00010

Height (ft.): 8

Diameter (in.): 8

NYTMN (km.): 4785.62

NYTME (km.): 195.429

Building: GENBLDG

Item 32.3:

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

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Emission Unit: U-3GTDB

Emission Point: 00001

Height (ft.): 130 Diameter (in.): 114
NYTMN (km.): 4785.62 NYTME (km.): 195.429 Building: HRSGBLD1

Emission Point: 00002

Height (ft.): 130 Diameter (in.): 114
NYTMN (km.): 4785.62 NYTME (km.): 195.429 Building: HRSGBLD2

Emission Point: 00003

Height (ft.): 130 Diameter (in.): 114
NYTMN (km.): 4785.62 NYTME (km.): 195.429 Building: HRSGBLD3

Emission Point: 00004

Height (ft.): 100 Diameter (in.): 156
NYTMN (km.): 4785.62 NYTME (km.): 195.429 Building: GENBLDG

Emission Point: 00005

Height (ft.): 100 Diameter (in.): 156
NYTMN (km.): 4785.62 NYTME (km.): 195.429 Building: GENBLDG

Emission Point: 00006

Height (ft.): 100 Diameter (in.): 156
NYTMN (km.): 4785.62 NYTME (km.): 195.429 Building: GENBLDG

**Condition 33: Process Definition By Emission Unit
Effective between the dates of 01/18/2005 and 08/30/2009**

Applicable Federal Requirement: 6NYCRR 201-6

Item 33.1:

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

Emission Unit: U-00002

Process: 110

Source Classification Code: 1-02-005-01

Process Description:

DISTILLATE FUEL OIL COMBUSTION IN
AUXILIARY BOILER. AUXILIARY BOILER
OPERATION IS LIMITED TO 1.26 MILLION
GALLONS OF NO. 2 FUEL OIL USAGE PER YEAR.
ALSO, AUXILIARY BOILER IS LIMITED TO ANNUAL
EMISSIONS OF 18.3 TONS OF NO_x AND 11.9 TONS
OF CO.

Emission Source/Control: AUXBL - Combustion

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Design Capacity: 209.1 million Btu per hour

Item 33.2:

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

Emission Unit: U-00002

Process: 111

Source Classification Code: 1-02-006-01

Process Description:

NATURAL GAS COMBUSTION IN AUXILIARY BOILER. AUXILIARY BOILER OPERATION IS LIMITED TO ANNUAL EMISSIONS OF 18.3 TONS OF NO_x AND 11.9 TONS OF CO.

Emission Source/Control: AUXBL - Combustion

Design Capacity: 209.1 million Btu per hour

Item 33.3:

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

Emission Unit: U-00003

Process: 112

Source Classification Code: 2-02-001-01

Process Description:

DISTILLATE FUEL OIL COMBUSTION IN 3 STARTING DIESEL ENGINES. OPERATION OF EACH ENGINE IS LIMITED TO 475 HOURS PER YEAR.

Emission Source/Control: STDSL - Combustion

Design Capacity: 4.26 million Btu per hour

Item 33.4:

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

Emission Unit: U-3GTDB

Process: DCT

Source Classification Code: 1-02-006-02

Process Description:

NATURAL GAS COMBUSTION IN DUCT BURNER. EACH DUCT BURNER HAS A HEAT INPUT CAPACITY OF 110 MMBTU/HR. TOTAL HEAT INPUT TO THE FACILITY'S THREE DUCT BURNERS IS LIMITED TO 390,000 MILLION BTU PER YEAR WHEN THE GAS TURBINES FIRE FUEL OIL.

Emission Source/Control: DCTBN - Combustion

Design Capacity: 110 million Btu per hour

Item 33.5:

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

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Emission Unit: U-3GTDB

Process: GT1

Source Classification Code: 2-02-001-01

Process Description:

DISTILLATE NO. 2 FUEL OIL COMBUSTION IN GAS TURBINE WITHOUT OPERATION OF DUCT BURNER. THIS PROCESS IS LIMITED BY 2 SPECIAL CONDITIONS. 1. 2190 HOURS OF OIL COMBUSTION PER TURBINE PER YEAR. 2. 19.656 MILLION GALLON TOTAL ANNUAL FUEL OIL CONSUMPTION LIMIT FOR THE THREE GAS TURBINES. (GAS TURBINE OPERATION AT FULL LOAD.)

Emission Source/Control: GASTB - Combustion

Design Capacity: 45 megawatt

Emission Source/Control: STMIN - Control

Control Type: STEAM OR WATER INJECTION

Item 33.6:

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

Emission Unit: U-3GTDB

Process: GT2

Source Classification Code: 2-02-001-01

Process Description:

DISTILLATE NO. 2 FUEL OIL COMBUSTION IN GAS TURBINE WITH OPERATION OF DUCT BURNER FIRING NATURAL GAS. THIS PROCESS IS LIMITED BY 3 SPECIAL CONDITIONS. 1. 2,190 HOURS OF OIL COMBUSTION PER TURBINE PER YEAR. 2. 19.656 MILLION GALLON TOTAL ANNUAL FUEL OIL CONSUMPTION LIMIT FOR THE THREE GAS TURBINES. 3. THE DUCT BURNERS ARE LIMITED TO A TOTAL HEAT INPUT OF 390,000 MILLION BTU PER YEAR WHEN THE GAS TURBINES FIRE OIL. (GAS TURBINE OPERATION AT FULL LOAD.)

Emission Source/Control: DCTBN - Combustion

Design Capacity: 110 million Btu per hour

Item 33.7:

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

Emission Unit: U-3GTDB

Process: GT3

Source Classification Code: 2-02-002-01

Process Description:



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

NATURAL GAS COMBUSTION IN GAS TURBINE
WITHOUT OPERATION OF DUCT BURNER. (GAS
TURBINE OPERATION AT FULL LOAD.)

Emission Source/Control: GASTB - Combustion
Design Capacity: 45 megawatt

Emission Source/Control: STMIN - Control
Control Type: STEAM OR WATER INJECTION

Item 33.8:

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

Emission Unit: U-3GTDB

Process: GT4

Source Classification Code: 2-02-001-03

Process Description:

NATURAL GAS COMBUSTION IN GAS TURBINE AND
DUCT BURNER SIMULTANEOUSLY. (GAS TURBINE
OPERATION AT FULL LOAD.)

Emission Source/Control: DCTBN - Combustion
Design Capacity: 110 million Btu per hour

Item 33.9:

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

Emission Unit: U-3GTDB

Process: GT6

Source Classification Code: 2-02-001-01

Process Description:

DISTILLATE NO. 2 FUEL OIL COMBUSTION IN
GAS TURBINE WITHOUT OPERATION OF DUCT
BURNER. THIS PROCESS IS LIMITED BY 2
SPECIAL CONDITIONS. 1. 2,190 HOURS OF OIL
COMBUSTION PER TURBINE PER YEAR. 2. 19.656
MILLION GALLON TOTAL ANNUAL FUEL OIL
CONSUMPTION LIMIT FOR THE THREE GAS
TURBINES. (GAS TURBINE OPERATION AT PARTIAL
LOAD.)

Emission Source/Control: GASTB - Combustion
Design Capacity: 45 megawatt

Emission Source/Control: STMIN - Control
Control Type: STEAM OR WATER INJECTION

Item 33.10:

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

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Emission Unit: U-3GTDB

Process: GT7

Source Classification Code: 2-02-002-01

Process Description:

DISTILLATE NO. 2 FUEL OIL COMBUSTION IN GAS TURBINE WITH OPERATION OF DUCT BURNER FIRING NATURAL GAS. THIS PROCESS IS LIMITED BY 3 SPECIAL CONDITIONS. 1. 2,190 HOURS OF OIL COMBUSTION PER TURBINE PER YEAR. 2. 19.656 MILLION GALLON TOTAL ANNUAL FUEL OIL CONSUMPTION LIMIT FOR THE THREE GAS TURBINES. 3. THE DUCT BURNERS ARE LIMITED TO A TOTAL HEAT INPUT OF 390,000 MILLION BTU PER YEAR WHEN THE GAS TURBINES FIRE OIL. (GAS TURBINE OPERATION AT PARTIAL LOAD.)

Emission Source/Control: DCTBN - Combustion

Design Capacity: 110 million Btu per hour

Item 33.11:

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

Emission Unit: U-3GTDB

Process: GT8

Source Classification Code: 2-02-002-01

Process Description:

NATURAL GAS CONSUMPTION IN GAS TURBINE WITHOUT OPERATION OF DUCT BURNER. (GAS TURBINE OPERATING AT PARTIAL LOAD.)

Emission Source/Control: GASTB - Combustion

Design Capacity: 45 megawatt

Emission Source/Control: STMIN - Control

Control Type: STEAM OR WATER INJECTION

Item 33.12:

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

Emission Unit: U-3GTDB

Process: GT9

Source Classification Code: 2-02-001-03

Process Description:

NATURAL GAS COMBUSTION IN GAS TURBINE AND DUCT BURNER SIMULTANEOUSLY. (GAS TURBINE OPERATING AT PARTIAL LOAD.)

Emission Source/Control: DCTBN - Combustion



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

Design Capacity: 110 million Btu per hour

Condition 34: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

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

Item 34.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 34.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

NO PERSON SHALL OPERATE A STATIONARY
COMBUSTION INSTALLATION WHICH EXHIBITS
GREATER THAN 20 % OPACITY (6-MINUTE
AVERAGE), EXCEPT FOR ONE 6-MINUTE PERIOD
PER HOUR OF NOT MORE THAN 27 % OPACITY.
AN ALTERNATIVE METHOD OF DEMONSTRATING
COMPLIANCE WITH THE OPACITY LIMIT HAS
BEEN APPROVED. SEE USEPA LETTER DATED
OCTOBER 30, 1992, COPY ATTACHED 3 PAGES,
WHICH IS A REQUIREMENT OF THIS PERMIT.
ALSO, ALL RECORDS PERTINENT TO THIS
ALTERNATIVE OPACITY MONITORING METHOD
SHALL BE KEPT ON SITE FOR A PERIOD OF
FIVE (5) YEARS (NOT TWO ((2)) YEARS AS
STATED IN THE OCTOBER 30, 1992
CORRESPONDENCE.

Parameter Monitored: OPACITY

Lower Permit Limit: 0 percent

Upper Permit Limit: 27 percent

Reference Test Method: EPA METHOD 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

Subsequent reports are due every 12 calendar month(s).



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

Condition 35: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 35.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

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

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

THE FUEL OIL COMBUSTED IN THE AUXILIARY BOILER SHALL CONTAIN A NITROGEN CONTENT OF 0.30% BY WEIGHT OR LESS. FUEL SAMPLING IN ACCORDANCE WITH USEPA LETTER DATED JUNE 10, 1994. NOTE: FOR SOURCES THAT ARE EQUIPPED WITH NO_x CEMS, SAMPLING TO DETERMINE THE FUEL NITROGEN CONCENTRATION IS NOT REQUIRED.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: NITROGEN CONTENT

Upper Permit Limit: 0.3 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

Subsequent reports are due every 12 calendar month(s).

Condition 36: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 36.1:

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

TOTAL FUEL OIL USAGE BY THE AUXILIARY BOILER IS LIMITED TO 1.26 MILLION GALLONS/YEAR.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NUMBER 2 OIL

Upper Permit Limit: 1260000.0 gallons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

Subsequent reports are due every 12 calendar month(s).

Condition 37: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EMISSION LIMITS FOR PROCESS 111:

NOX: 0.200 LB/MMBTU & 41.80 LB/HR.

CO: 0.130 LB/MMBTU & 27.20 LB/HR.

VOC: 0.005 LB/MMBTU & 0.90 LB/HR.

PM,PM-10: 0.001 LB/MMBTU & 0.21

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



LB/HR.

EMISSION LIMITS FOR PROCESS 110:

NOX: 0.200 LB/MMBTU & 40.00

LB/HR.

CO: 0.130 LB/MMBTU & 27.20

LB/HR.

VOC: 0.005 LB/MMBTU & 0.96

LB/HR.

PM,PM-10: 0.034 LB/MMBTU & 6.80

LB/HR.

RECORDS OF INITIAL PERFORMANCE TEST INDICATE COMPLIANCE WITH THE ABOVE EMISSION LIMITS. COMPLIANCE MONITORING WITH THESE EMISSION LIMITS MUST BE DEMONSTRATED BY INTERMITTENT STACK TESTING TO BE CONDUCTED AT THE REQUEST OF THIS AGENCY. IN ADDITION, COMPLIANCE WITH THESE EMISSION LIMITS SATISFIES THE REQUIREMENTS OF 6NYCRR PART 227-2.4(b)(1), NOX RACT EMISSION LIMITS FOR LARGE BOILERS, AND 6NYCRR PART 227-2.6(a)(3), NOX RACT EMISSION LIMITS PERFORMANCE STACK TESTS.

NOTE: EMISSION LIMIT OF 0.130 LB/MMBTU FOR CO DOES NOT APPLY FOR THE FIRST HOUR OF START-UP. AUXILIARY BOILER MUST COMPLY WITH EMISSION LIMIT OF 27.2 LB/HR FOR THE FIRST HOUR OF START-UP. THIS APPLIES FOR BOTH PROCESS 110 AND 111.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 38: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Regulated Contaminant(s):

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

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

THE NATURAL GAS COMBUSTED IN THE AUXILIARY BOILER SHALL CONTAIN A NITROGEN CONTENT OF 0.30% BY WEIGHT OR LESS. FUEL SAMPLING IN ACCORDANCE WITH USEPA LETTER DATED JUNE 10, 1994.

NOTE: FUEL SAMPLING OF NATURAL GAS WILL NOT BE REQUIRED IF NATURAL GAS COMBUSTED MEETS THE DEFINITION OF "NATURAL GAS" AS STATED IN AMENDED 40CFR60.331(u).

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NATURAL GAS

Parameter Monitored: NITROGEN CONTENT

Upper Permit Limit: 0.3 percent by weight

Monitoring Frequency: MONTHLY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

Subsequent reports are due every 12 calendar month(s).

Condition 39: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 39.2:

Compliance Certification shall include the following monitoring:



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEMS ARE TO BE USED TO MEASURE CARBON MONOXIDE (CO) EMISSIONS FROM THE AUXILIARY BOILER WHILE BURNING NATURAL GAS OR NO. 2 FUEL OIL. QUARTERLY EXCESS EMISSION REPORTS ARE REQUIRED FOR THE CEMS.

Manufacturer Name/Model Number: SIEMENS ULTRAMAT 6E

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 11.9 tons per year

Reference Test Method: APP A ME 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 4/30/2005.

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

Condition 40: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

AUXILIARY BOILER IS LIMITED TO ANNUAL EMISSIONS OF 18.3 TONS OF NO_x AND 11.9 TONS OF CARBON MONOXIDE (CO) BOTH CALCULATED AS AN ANNUAL TOTAL ROLLED DAILY. CEMS CERTIFIED AND OPERATED ACCORDING TO PROCEDURES IN 40CFR60 MUST BE USED TO MEASURE NO_x AND CO EMISSIONS FROM THE BOILER. CERTIFIED FUEL FLOW METERS MUST BE USED TO MONITOR NATURAL GAS OR NO. 2 FUEL OIL CONSUMPTION.

Monitoring Frequency: CONTINUOUS



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

Averaging Method: ANNUAL TOTAL ROLLED DAILY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 12 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

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

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEMS ARE TO BE USED TO MEASURE NO_x
EMISSIONS FROM THE AUXILIARY BOILER WHILE
BURNING NATURAL GAS OR NO. 2 FUEL OIL.
QUARTERLY EXCESS EMISSION REPORTS ARE
REQUIRED FOR THE CEMS.

Manufacturer Name/Model Number: ROSEMONT 951C

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 18.3 tons per year

Reference Test Method: APP A ME 7E, 20

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 42: Circumvention.
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 42.1:



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

This Condition applies to Emission Unit: U-00002

Item 42.2:

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

Condition 43: Monitoring requirements.

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 43.1:

This Condition applies to Emission Unit: U-00002

Item 43.2:

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

Condition 44: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60.13(i), NSPS Subpart A

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 44.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

AN ALTERNATIVE METHOD OF DEMONSTRATING
COMPLIANCE WITH THE OPACITY LIMIT HAS
BEEN APPROVED. SEE USEPA LETTER DATED
OCTOBER 30, 1992.

Parameter Monitored: OPACITY

Upper Permit Limit: 27.0 percent

Reference Test Method: EPA METHOD 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 12 calendar month(s).

Condition 45: Demonstration criteria for low sulfur oil.
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60.42b(j), NSPS Subpart Db

Item 45.1:

This Condition applies to Emission Unit: U-00002

Item 45.2:

Affected facilities which fire very low sulfur oil shall demonstrate that the oil meets the definition of very low sulfur oil by:

- 1) Following the performance testing procedures in subdivision 60.45b(c) or subdivision 60.45b(d) and following monitoring procedures in subdivision 60.47b(a) or in subdivision 60.47b(b) to determine SO₂ emission rate or fuel oil sulfur content; or
- 2) Maintaining fuel receipts as described in subdivision 60.49b(r).

Condition 46: Oxides of nitrogen standard exemption.
Effective between the dates of 01/18/2005 and 08/30/2009

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

Item 46.1:

This Condition applies to Emission Unit: U-00002

Item 46.2:

Affected facilities which meet the criteria in paragraphs (j)(1), (j)(2), and (j)(3) and are less than or equal to 73 MW in heat input capacity are exempt from the oxides of nitrogen standards of section 40 CFR 60-Db.44b(k).

Condition 47: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60.45b(j), NSPS Subpart Db

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility that combusts very low sulfur oil is not subject to the compliance and performance testing requirements of this section if the owner or operator obtains fuel receipts as described in §60.49b(r).

Monitoring Frequency: PER DELIVERY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 48: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60, NSPS Subpart Db

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: 110

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

MAINTAIN FILE OF FUEL RECEIPTS IN
ACCORDANCE WITH 40 CFR 60.49B(R).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Condition 49: Sulfur dioxide standard.
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60.42b(a), NSPS Subpart Db

Item 49.1:

This Condition applies to Emission Unit: U-00002
Process: 110

Item 49.2:

$$Es = (KaHa + KbHb)/(Ha + Hb)$$

Where: Es = sulfur dioxide emission standard,

Ka = 1.2 lb/mmBtu,

Kb = 0.8 lb/mmBtu,

Ha = heat input coal mmBtu,

Hb = heat input oil mmBtu and 90% reduction in PTE.

Condition 50: Opacity standard.
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60.43b(f), NSPS Subpart Db

Item 50.1:

This Condition applies to Emission Unit: U-00002
Process: 110

Item 50.2:

Any facility which fires coal, oil, wood, or a mixture of fuels shall emit to the atmosphere no greater than 20% opacity (6 minute average), except for one 6 minute period per hour not to exceed 27% opacity.

Condition 51: Alternative sulfur dioxide monitoring method.
Effective between the dates of 01/18/2005 and 08/30/2009

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

Item 51.1:

This Condition applies to Emission Unit: U-00002
Process: 110

Item 51.2:

Facilities which combust very low sulfur oil are not subject to the requirements of section 40 CFR 60-



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

Db.47b if fuel receipts are obtained in accordance with subdivision 40 CFR 60-Db.49b(r).

Condition 52: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

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

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Item 52.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

NO PERSON SHALL OPERATE A STATIONARY
COMBUSTION INSTALLATION WHICH EXHIBITS
GREATER THAN 20 % OPACITY (6-MINUTE
AVERAGE), EXCEPT FOR ONE 6-MINUTE PERIOD
PER HOUR OF NOT MORE THAN 27 % OPACITY.

Parameter Monitored: OPACITY

Lower Permit Limit: 0 percent

Upper Permit Limit: 27 percent

Reference Test Method: METHOD 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

Subsequent reports are due every 12 calendar month(s).

Condition 53: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Item 53.2:

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

OPERATION OF EACH OF THE THREE STARTING
DIESEL ENGINES IS LIMITED TO 475 HOURS
PER YEAR.

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

Subsequent reports are due every 12 calendar month(s).

Condition 54: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

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

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 54.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

NO PERSON SHALL OPERATE A STATIONARY
COMBUSTION INSTALLATION WHICH EXHIBITS
GREATER THAN 20 % OPACITY (6-MINUTE
AVERAGE), EXCEPT FOR ONE 6-MINUTE PERIOD
PER HOUR OF NOT MORE THAN 27 % OPACITY.

Parameter Monitored: OPACITY

Lower Permit Limit: 0 percent

Upper Permit Limit: 27 percent

Reference Test Method: METHOD 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Subsequent reports are due every 12 calendar month(s).

Condition 55: Testing, monitoring, and reporting requirements for very large boilers.

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 6NYCRR 227-2.6(a)(1)

Item 55.1:

This Condition applies to Emission Unit: U-3GTDB

Item 55.2:

The owner/operator shall measure NOx emissions with a continuous emissions monitoring system (CEMS) as described in 6NYCRR 227-2.6(b).

Condition 56: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

FUEL OIL USAGE IN THE GAS TURBINES IS LIMITED TO 2190 HOURS PER YEAR FOR EACH TURBINE.

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

Subsequent reports are due every 12 calendar month(s).

Condition 57: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 57.1:



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE TYPE AND AMOUNT OF FUEL BURNED IN EACH GAS TURBINE MUST BE MONITORED AND RECORDED WITHIN AN ACCURACY OF +/- 5%.

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

Subsequent reports are due every 12 calendar month(s).

Condition 58: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE MASS EMISSION RATE (LB/HR AND LB/MMBTU) OF NOX AND CO MUST BE CONTINUOUSLY CALCULATED FROM THE GAS TURBINE OR GAS TURBINE/DUCT BURNER. USE ATTACHED FIGURES 6, 7, 8 AND 9 TO CORRELATE MASS EMISSION LIMITS (LB/HR) TO AMBIENT TEMPERATURE.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Subsequent reports are due every 12 calendar month(s).

Condition 59: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EMISSION LIMITS FOR PROCESS GT-1

VOC: 0.010 LB/MMBTU & 4.0

LB/HR

PM,PM-10: 0.024 LB/MMBTU & 10.0

LB/HR

EMISSION LIMITS FOR PROCESS GT-3

VOC: 0.012 LB/MMBTU & 5.0

LB/HR

PM,PM-10: 0.006 LB/MMBTU & 2.5

LB/HR

EMISSION LIMITS FOR PROCESS GT-6

VOC: 0.012 LB/MMBTU & 4.0

LB/HR

PM,PM-10: 0.030 LB/MMBTU & 10.0

LB/HR

EMISSION LIMITS FOR PROCESS GT-8

VOC: 0.015 LB/MMBTU & 5.0

LB/HR

PM,PM-10: 0.008 LB/MMBTU & 2.5

LB/HR

RECORDS OF INITIAL PERFORMANCE TEST
INDICATE COMPLIANCE WITH THE ABOVE
EMISSION LIMITS. COMPLIANCE MONITORING
OF THESE EMISSION LIMITS MUST BE
DEMONSTRATED BY INTERMITTENT STACK
TESTING TO BE CONDUCTED AT THE REQUEST OF



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

THIS AGENCY.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 60: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE GAS TURBINES MAY NOT OPERATE BELOW
70% LOAD, EXCEPT DURING PERIODS OF
STARTUP, MALFUNCTION, AND SHUTDOWN. 70%
LOAD FOR EACH TURBINE CORRESPONDS TO 31.5
MW, FIRING GAS AT 47 DEG F. FIGURES 5
AND 5A CORRELATE THIS LIMIT (70% LOAD) TO
AMBIENT TEMPERATURE. FIGURES 4 AND 4A
CORRELATE 100% LOAD TO AMBIENT
TEMPERATURE. ATTACHED FIGURES 4, 4A, 5
and 5A ARE REQUIREMENTS OF THIS PERMIT.
ALSO, ATTACHED FIGURES 6, 7, 8 AND 9 ARE
REQUIREMENTS OF THIS PERMIT.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

Subsequent reports are due every 12 calendar month(s).

Condition 61: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 61.1:

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEMS ARE TO BE USED TO MEASURE EMISSIONS FROM EACH GAS TURBINE FOR PROCESSES GT-1, GT3, GT-6 AND GT8.

Manufacturer Name/Model Number: SIEMENS/7MB1120-1AB10-0BA1

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 10.0 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 4/30/2005.

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

Condition 62: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

LOCKPORT ENERGY ASSOCIATES SHALL SUBMIT A QUARTERLY WRITTEN CEM REPORT FOR EVERY CALENDAR QUARTER. ALL QUARTERLY REPORTS SHALL BE POSTMARKED BY THE 30TH DAY



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

FOLLOWING THE END OF EACH CALENDAR
QUARTER.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2005.
Subsequent reports are due every 3 calendar month(s).

Condition 63: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

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

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
CEMS ARE TO BE USED TO MEASURE THE TOTAL
EMISSIONS FROM EACH GAS TURBINE/DUCT
BURNER COMBINATION FOR PROCESSES GT-2 AND
GT-7.

Manufacturer Name/Model Number: SIEMENS/7MB1120-1AB10-0BA1
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 16.0 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 4/30/2005.
Subsequent reports are due every 3 calendar month(s).

Condition 64: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009



New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEMS ARE TO BE USED TO MEASURE THE TOTAL EMISSIONS FROM EACH GAS TURBINE/DUCT BURNER COMBINATION FOR PROCESSES GT-4 AND GT-9.

Manufacturer Name/Model Number: SIEMENS/7MB1120-1AB10-0BA1

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 17.0 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 4/30/2005.

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

Condition 65: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Regulated Contaminant(s):

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

Item 65.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEMS ARE TO BE USED TO MEASURE EMISSIONS FROM EACH GAS TURBINE (FIRING FUEL OIL ONLY) WITHOUT DUCT BURNER OPERATION FOR THE PROCESSES GT-1 AND GT-6; OR THE TOTAL EMISSIONS FROM EACH GAS TURBINE (FIRING FUEL OIL ONLY) WITH DUCT BURNER OPERATION FOR PROCESSES GT-2 AND GT-7.

Manufacturer Name/Model Number: ROSEMONT/951A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 65.0 parts per million by volume

(dry, corrected to 15% O₂)

Reference Test Method: APP A METH 7E , 20

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 66: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Regulated Contaminant(s):

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

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEMS ARE TO BE USED TO MEASURE EMISSIONS FROM EACH GAS TURBINE (FIRING NATURAL GAS ONLY) WITHOUT DUCT BURNER OPERATION FOR PROCESSES GT-3 AND GT-8 ; OR THE TOTAL EMISSIONS FROM EACH GAS TURBINE (FIRING NATURAL GAS ONLY) WITH DUCT BURNER

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OPERATION FOR PROCESSES GT-4 AND GT-9

Manufacturer Name/Model Number: ROSEMONT/951A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: APP A METH 7E , 20

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 67: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 67.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

THE DUCT BURNERS SHALL NOT OPERATE MORE
THAN 390,000 MMBTU PER YEAR (TOTAL FOR
ALL THREE UNITS) WHEN THE GAS TURBINES
ARE FIRING OIL.

Parameter Monitored: HEAT CONTENT

Upper Permit Limit: 390000000000 British thermal units
per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

Subsequent reports are due every 12 calendar month(s).

Condition 68: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

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Permit ID: 9-2926-00016/00036

Facility DEC ID: 9292600016



Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

TOTAL ANNUAL FUEL OIL USAGE BY THE GAS TURBINES IS LIMITED TO 19.656 MILLION GALLONS.

Work Practice Type: PROCESS MATERIAL THRUPTUT

Process Material: NUMBER 2 OIL

Upper Permit Limit: 19656000.0 gallons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

Subsequent reports are due every 12 calendar month(s).

Condition 69: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE GAS TURBINES SHALL FIRE NATURAL GAS AND NO. 2 FUEL OIL ONLY. THE DUCT BURNERS SHALL ONLY FIRE NATURAL GAS.



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Monitoring Frequency: CONTINUOUS
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 12 calendar month(s).

Condition 70: Circumvention.

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 70.1:

This Condition applies to Emission Unit: U-3GTDB

Item 70.2:

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

Condition 71: Monitoring requirements.

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 71.1:

This Condition applies to Emission Unit: U-3GTDB

Item 71.2:

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

Condition 72: Compliance Certification

Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60.333(b), NSPS Subpart GG

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 72.2:



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Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a stationary gas turbine subject to 40CFR60 Subpart GG shall burn in that turbine any fuel which contains sulfur in excess of 0.8 percent by weight. The owner or operator shall monitor sulfur content of the fuel being fired in the turbine according to the frequency specified in 40CFR60.334(i).

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.8 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 73: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 60.334, NSPS Subpart GG

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fuel sampling and analysis shall be performed in accordance with the alternate fuel monitoring schedule described in the USEPA letter dated June 10, 1994. Specifically, analyses of composite fuel oil samples are required from the bulk oil storage tanks after each delivery of new oil into the tanks. NOTE: FUEL SAMPLING OF NATURAL GAS IS NOT REQUIRED IF THE NATURAL GAS COMBUSTED MEETS THE DEFINITION OF NATURAL GAS AS STATED IN 40CFR331(u).

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.



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Subsequent reports are due every 12 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Process: DCT

Regulated Contaminant(s):

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

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOX EMISSION LIMIT FOR EACH DUCT BURNER FIRING GAS IS 0.1 LB/MMBTU (AND 11 LB/HR). SINCE DUCT BURNERS CAN ONLY OPERATE WHEN TURBINES ARE IN OPERATION , INITIAL PERFORMANCE TESTING DEMONSTRATED DUCT BURNER COMPLIANCE WITH OXIDES OF NITROGEN EMISSION LIMIT BY MEASURING STACK EMISSIONS COMBINED CYCLE OPERATION (I.E. TURBINE PLUS DUCT BURNER SIMULTANEOUS OPERATION) AND SUBTRACTING BYPASS STACK EMISSIONS (I.E. TURBINE OPERATION ALONE). SINCE FACILITY CEMS INSTALLATION CAN ONLY SAMPLE AND ANALYZE FROM ONE LOCATION AT A TIME (I.E. SAMPLE AND ANALYZE FROM EITHER COMBINED CYCLE STACK OR BYPASS STACK) COMPLIANCE MONITORING OF DUCT BURNER EMISSION LIMITS WILL BE CONDUCTED AT AGENCY REQUEST.

Manufacturer Name/Model Number: ROSEMONT/951A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: APP A METH 7E , 20

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE



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Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 75: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Process: DCT

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CARBON MONOXIDE EMISSION LIMIT FOR EACH DUCT BURNER FIRING GAS IS 0.1 LB/MMBTU (AND 11 LB/HR). SINCE DUCT BURNERS CAN ONLY OPERATE WHEN TURBINES ARE IN OPERATION , INITIAL PERFORMANCE TESTING DEMONSTRATED DUCT BURNER COMPLIANCE WITH CARBON MONOXIDE EMISSION LIMIT BY MEASURING STACK EMISSIONS COMBINED CYCLE OPERATION (I.E. TURBINE PLUS DUCT BURNER SIMULTANEOUS OPERATION) AND SUBTRACTING BYPASS STACK EMISSIONS (I.E. TURBINE OPERATION ALONE). SINCE FACILITY CEMS INSTALLATION CAN ONLY SAMPLE AND ANALYZE FROM ONE LOCATION AT A TIME (I.E. SAMPLE AND ANALYZE FROM EITHER COMBINED CYCLE STACK OR BYPASS STACK) COMPLIANCE MONITORING OF DUCT BURNER EMISSION LIMITS WILL BE CONDUCTED AT AGENCY REQUEST.

Manufacturer Name/Model Number: SIEMENS/7MB1120-1AB10-0BA1

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: APP A METH 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

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Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 76: Compliance Certification
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-3GTDB

Process: DCT

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EMISSION LIMITS FOR EACH DUCT BURNER

FIRING GAS:

VOC: 0.100 LB/MMBTU AND 11.0

LB/HR.

PM, PM-10: 0.006 LB/MMBTU AND 0.66

LB/HR.

SINCE DUCT BURNERS CAN ONLY OPERATE WHEN TURBINES ARE IN OPERATION, RECORDS OF INITIAL PERFORMANCE TESTING DEMONSTRATED DUCT BURNER COMPLIANCE WITH VOC AND PM, PM-10 EMISSION LIMITS BY MEASURING STACK EMISSIONS COMBINED CYCLE OPERATION (I.E. TURBINE PLUS DUCT BURNER SIMULTANEOUS OPERATION) AND SUBTRACTING BYPASS STACK EMISSIONS (I.E. TURBINE OPERATION ALONE). COMPLIANCE MONITORING OF DUCT BURNER EMISSION LIMITS FOR VOC AND PM, PM-10 WILL BE PERFORMED BY INTERMITTENT STACK TESTING AT AGENCY REQUEST.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 77: Contaminant List
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable State Requirement: ECL 19-0301

Item 77.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this



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

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Condition 78: Unavoidable noncompliance and violations
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable State Requirement: 6NYCRR 201-1.4

Item 78.1:

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

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

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

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant



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emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

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

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

Condition 79: Air pollution prohibited
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable State Requirement: 6NYCRR 211.2

Item 79.1:

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

Condition 80: Applicable Facility, with a unit of a capacity of 25 MWe or greater
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable State Requirement: 6NYCRR 237-1.4(a)

Item 80.1:

Any unit, that at any time on or after January 1, 1999, serves a generator with a nameplate capacity equal to or greater than 25 MWe and sells any amount of electricity shall be a NOx budget unit, and any source that includes one or more such units shall be a NOx budget source, subject to the requirements of NYCRR 237.

Condition 81: Permit Requirements
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable State Requirement: 6NYCRR 237-1.6(a)

Item 81.1:

The NOx authorized account representative of each NOx budget unit shall: Submit to the department a complete NOx budget permit application under NYCRR 237-3.3 in accordance with the deadlines specified in NYCRR 237-3.2(b); and submit in a timely manner any supplemental information that the



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department determines is necessary in order to review a NOx budget permit application and issue or deny a NOx budget permit.

The owners and operators of each NOx budget unit shall have a NOx budget permit and operate the unit in compliance with such NOx budget permit.

Condition 82: Compliance Demonstration
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable State Requirement: 6NYCRR 237-1.6(c)

Item 82.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 82.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators of each NOx budget source and each NOx budget unit at the source shall hold NOx allowances available for compliance deductions under NYCRR 237-6.5, as of the NOx allowance transfer deadline, in the unit's compliance account and the source's overdraft account in an amount not less than the total NOx emissions for the control period from the unit, as determined in accordance with NYCRR 237-8.

Each ton of NOx emitted in excess of the NOx budget emissions limitation shall constitute a separate violation of applicable State law.

A NOx budget unit shall be subject to the requirements under NYCRR 237-1.6(c)(1) starting when the unit commences operation.

NOx allowances shall be held in, deducted from, or transferred among NOx Allowance Tracking System accounts in accordance with NYCRR 237-5, 237-6, 237-7, and 237-9.

Except for future control period NOx allowances which may be deducted pursuant to NYCRR 237-6.5(f), a NOx allowance shall not be deducted, in order to comply with the requirements under NYCRR 237-1.6(c)(1), for a control period in a year prior to the year for which the NOx allowance was allocated.

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A NOx allowance allocated by the department under the Acid Deposition Reduction (ADR) NOx Budget Trading Program is a limited authorization to emit one ton of NOx in accordance with the ADR NOx Budget Trading Program. No provision of the ADR NOx Budget Trading Program, the NOx budget permit application, or the NOx budget permit or any provision of law shall be construed to limit the authority of the State to terminate or limit such authorization.

A NOx allowance allocated by the department under the ADR NOx Budget Trading Program does not constitute a property right.

The owners and operators of a NOx budget unit that has excess emissions in any control period shall: Forfeit the NOx allowances required for deduction under NYCRR 237-6.5(d)(1); and pay any fine, penalty, or assessment or comply with any other remedy imposed under NYCRR 237-6.5(d)(3).

Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2005.
Subsequent reports are due every 3 calendar month(s).

**Condition 83: Authorization and responsibilities of the NOx authorized account representative
Effective between the dates of 01/18/2005 and 08/30/2009**

Applicable State Requirement: 6NYCRR 237-2

Item 83.1:

Except as provided under NYCRR 237-2.2, each NOx budget source, including all NOx budget units at the source, shall have one and only one NOx authorized account representative, with regard to all matters under the Acid Deposition Reduction (ADR) NOx Budget Trading Program concerning the source or any NOx budget unit at the source.

The NOx authorized account representative of the NOx budget source shall be selected by an agreement binding on the owners and operators of the source and all NOx budget units at the source.

Upon receipt by the department or its agent of a complete account certificate of representation under NYCRR 237-2.4, the NOx authorized account representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the NOx budget source represented and each NOx budget unit at the source in all matters pertaining to the ADR NOx Budget Trading Program, notwithstanding any agreement between the NOx authorized account



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representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the NOx authorized account representative by the department or a court regarding the source or unit.

No NOx budget permit shall be issued, and no NOx Allowance Tracking System account shall be established for a NOx budget unit at a source, until the department or its agent has received a complete account certificate of representation under NYCRR 237-2.4 for a NOx authorized account representative of the source and the NOx budget units at the source.

Each submission under the ADR NOx Budget Trading Program shall be submitted, signed, and certified by the NOx authorized account representative for each NOx budget source on behalf of which the submission is made. Each such submission shall include the following certification statement by the NOx authorized account representative: "I am authorized to make this submission on behalf of the owners and operators of the NOx budget sources or NOx budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

The department or its agent will accept or act on a submission made on behalf of owners or operators of a NOx budget source or a NOx budget unit only if the submission has been made, signed, and certified in accordance with NYCRR 237-2.1(e)(1).

Condition 84: Compliance Demonstration
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable State Requirement: 6NYCRR 237-4.1

Item 84.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 84.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each control period in which one or more NOx budget units at a source are subject to the NOx budget emissions limitation, the NOx authorized account representative of the source shall submit to the department by the September 30 following the relevant control period, a compliance certification report for each source covering all such units.

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

- (1) identification of each NO_x budget unit;
- (2) except in instances when the NO_x budget unit seeks to use future control period NO_x allowances which may be deducted pursuant to NYCRR 237-6.5(f), at the NO_x authorized account representative's option, the serial numbers of the NO_x allowances that are to be deducted from each unit's compliance account under NYCRR 237-6.5 for the control period;
- (3) at the NO_x authorized account representative's option, for units sharing a common stack and having NO_x emissions that are not monitored separately or apportioned in accordance with NYCRR 237-8, the percentage of NO_x allowances that is to be deducted from each unit's compliance account under NYCRR 237-6.5(e);
- (4) for units using future control period allowances for compliance purposes pursuant to NYCRR 237-6.5(f), the statement of intent and report required under NYCRR 237-6.5(f)(2); and
- (5) the compliance certification under NYCRR 237-4(c).

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

- (a) whether the unit was operated in compliance with the NO_x budget emissions limitation;

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(b) whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute NO_x emissions to the unit, in accordance with NYCRR 237-8;

(c) whether all the NO_x emissions from the unit, or a group of units (including the unit) using a common stack, were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with NYCRR 237-8. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions have been made;

(d) whether the facts that form the basis for certification under NYCRR 237-8 of each monitor at the unit or a group of units (including the unit) using a common stack, or for using an excepted monitoring method or alternative monitoring method approved under NYCRR 237-8, if any, has changed; and

(e) if a change is required to be reported in (4) above, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

Reporting Requirements: SEPTEMBER 30

Condition 85: Submission of NO_x allowance transfers
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable State Requirement: 6NYCRR 237-7.1

Item 85.1:

The NO_x authorized account representatives seeking recordation of a NO_x allowance transfer shall submit the transfer to the department or its agent. To be considered correctly submitted, the NO_x allowance transfer shall include the following elements in a format specified by the department or its agent:

- (a) the numbers identifying both the transferor and transferee accounts;
- (b) a specification by serial number of each NO_x allowance to be transferred; and

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(c) the printed name and signature of the NOx authorized account representative of the transferor account and the date signed.

Condition 86: Compliance Demonstration
Effective between the dates of 01/18/2005 and 08/30/2009

Applicable State Requirement: 6NYCRR 237-8

Item 86.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 86.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators, and to the extent applicable, the NOx authorized account representative of a NOx budget unit, shall comply with the monitoring and reporting requirements as provided in this NYCRR 237-8 and in Subpart H of 40 CFR part 75. For purposes of complying with such requirements, the definitions in NYCRR 237-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," and "designated representative" in 40 CFR part 75 shall be replaced by the terms "NOx budget unit," and "NOx authorized account representative," respectively, as defined in section 237-1.2.

For any NOx budget unit which is also a NOx budget unit under Part 204 of this title, prior or contemporaneous timely submissions in compliance with the requirements of Subpart 204-8 may, when appropriate, be summarily referenced by the owners and operators of the NOx budget unit in order to demonstrate compliance with the requirements of this Subpart:

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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