

New York State Department of Environmental Conservation
Facility DEC ID: 1472601500



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 1-4726-01500/00001
Effective Date: 04/30/2003 Expiration Date: 04/01/2008

Permit Issued To: KEYSpan ENERGY DEVELOPMENT CORP
ONE METROTECH CTR 18TH FL
BROOKLYN, NY 11201-3851

Contact: ROBERT D TEETZ
KEYSPAN
175 EAST OLD COUNTRY RD
HICKSVILLE, NY 11801
(516) 545-2577

Facility: SPAGNOLI ROAD ENERGY CENTER
SPAGNOLI ROAD WEST OF ROUTE 110
MELVILLE, NY

Contact: ROBERT D TEETZ
KEYSPAN
175 EAST OLD COUNTRY RD
HICKSVILLE, NY 11801
(516) 545-2577

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

TYPE OF EQUIPMENT AND OPERATION AT THE FACILITY:
A nominal 250 megawatt (MW) combined cycle natural gas fired facility operating exclusively on natural gas. The major components of the plant include a combustion turbine generator, a heat recovery steam generator, a steam turbine generator, an air cooled condenser, and associated equipment.

AIR PERMIT APPLICABILITY;
Title V permit.

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

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

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 1

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:

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

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

Condition 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 1 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 1 Headquarters
Division of Environmental Permits
SUNY Campus, Loop Road, Building 40
Stony Brook, NY 11790-2356
(631) 444-0365



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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Authorized Activity By Standard Industrial



LIST OF CONDITIONS

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85 Unavoidable noncompliance and violations

86 Air pollution prohibited

Classification Code:

4911 - ELECTRIC SERVICES

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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

Any person who owns or operates an air contamination

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

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

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

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

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

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

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

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

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

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

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

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



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emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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

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

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

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

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

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

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

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requirements, regulations, or law.

- Item J: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)**
The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.
- Item K: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.
- Item L: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item M: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item N: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Act;

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

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

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

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

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

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

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

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

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

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a shorter time period in the case of an emergency.

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

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

Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3

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

Item AA: Open Fires - 6 NYCRR Part 215

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

Item BB: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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



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

FEDERAL APPLICABLE REQUIREMENTS

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

Condition 1: Emission Unit Definition
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 201-6.

Item 1.1:

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

Emission Unit: U-00001

Emission Unit Description:

Emission Unit U00001 represents one GE7FA combustion turbine rated at 1,950 mmBTU/hr (-5 d f-natural gas firing only). The turbine is equipped with an unfired heat recovery steam generator (HRSG), which supplies steam to one steam turbine. The combined cycle unit will vent to a 195-foot stack. The combined cycle facility will generate approximately 250 MW of power

Building(s): BLDG01

Condition 2: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 201-6.1(a)(1)

Item 2.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 2.2:

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Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Particulate matter emission are limited to 19.4 lb/hr.
Initial stack testing is required to verify compliance
with this limit.

Process Material: NATURAL GAS

Manufacturer Name/Model Number: UNK

Parameter Monitored: PARTICULATES

Upper Permit Limit: 19.4 pounds per hour

Reference Test Method: 40 CFR60 Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 201-6.1(a)(1)

Item 3.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 3.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia emissions are limited to 5.0 ppm. Initial stack
testing is required to demonstrate compliance with this
emission limit.

Manufacturer Name/Model Number: UNK

Parameter Monitored: AMMONIA

Upper Permit Limit: 5 parts per million (by volume)



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Reference Test Method: 40CFR 60 APP B
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 3 calendar month(s).

Condition 4: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 201-6.1(a)(1)

Item 4.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 4.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Particulate matter emissions are limited to 0.0182
lb/mmBtu. Initial stack testing is required to verify
compliance with this limit. Limit based on High Heating
Value.

Manufacturer Name/Model Number: UNK

Parameter Monitored: NATURAL GAS

Upper Permit Limit: 0.0182 pounds per million Btus

Reference Test Method: 40CFR60 Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 5: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 201-6.1(a)(1)

Item 5.1:



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The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Regulated Contaminant(s):

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

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate Matter PM-10 emissions are limited to 0.0182 lb/mmBtu. Initial stack testing is required to verify compliance with this limit. Limit based on High Heating Value.

Manufacturer Name/Model Number: UNK

Parameter Monitored: NATURAL GAS

Upper Permit Limit: 0.0182 pounds per million Btus

Reference Test Method: 201A/201

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 6: Compliance Certification

Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 201-6.1(a)(1)

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 6.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Sulfur Dioxide emissions are limited to 0.0017 lb/mmBtu.



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Fuel usage records shall be kept on site to verify compliance with this limit. Limit based on High Heating Value.

Manufacturer Name/Model Number: UNK
Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 0.0017 pounds per million Btus
Reference Test Method: NA
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 3 calendar month(s).

Condition 7: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 201-6.1(a)(1)

Item 7.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: 00001

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

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Particulate Matter PM-10 emissions are limited to 19.4 lb/hr. Initial stack testing is required to verify compliance with this limit

Manufacturer Name/Model Number: UNK
Parameter Monitored: NATURAL GAS
Upper Permit Limit: 19.4 pounds per hour
Reference Test Method: 201A/202
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.



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The initial report is due 7/30/2003.
Subsequent reports are due every 3 calendar month(s).

Condition 8: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 201-6.1(a)(1)

Item 8.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 8.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Sulfur Dioxide emissions are limited to 3.3 lb/hr. Fuel
usage records shall be kept on site to verify compliance
with this limit.

Manufacturer Name/Model Number: UNK

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 3.3 pounds per hour

Reference Test Method: NA

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 9: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 201-6.1(a)(1)

Item 9.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Regulated Contaminant(s):



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Permit ID: 1-4726-01500/00001

Facility DEC ID: 1472601500

CAS No: 007664-41-7 AMMONIA

Item 9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia emissions are limited to 13.3 lb/hr. Initial stack testing is required to verify compliance with this limit.

Manufacturer Name/Model Number: UNK

Parameter Monitored: AMMONIA

Upper Permit Limit: 13.3 pounds per hour

Reference Test Method: 40CFR60 APP B

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

**Condition 10: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 04/30/2003 and 04/01/2008**

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

Item 10.1:

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

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

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

Condition 11: Monitoring, Related Recordkeeping, and Reporting Requirements.



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Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 11.1:

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 12: Compliance Certification

Effective between the dates of 04/30/2003 and 04/01/2008

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

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:

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

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

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

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

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

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

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

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

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

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start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 6 calendar month(s).

Condition 13: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 13.1:

The Compliance Certification activity will be performed for the Facility.

Item 13.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

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

- iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA

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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:

NYSDEC
SUNY Campus
Building 40
Stony Brook, NY 11790-2356

The address for the BCME is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2004.
Subsequent reports are due on the same day each year

Condition 14: Non Applicable requirements
Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 14.1:

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

40CFR 75-B.11(e)

Emission Unit: U00001

Reason: Since the combustion turbine is limited to natural gas firing only, continuous emission monitoring of SO₂ is not required. An alternative monitoring method including fuel flow and fuel sulfur content content will be developed for Agency approval.



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Condition 15: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 15.1:

The Compliance Certification activity will be performed for the Facility.

Item 15.2:

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 16: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 202-2.1(a)

Item 16.1:

The Compliance Certification activity will be performed for the Facility.

Item 16.2:

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 17: Recordkeeping requirements
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 17.1:



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(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 18: Permit requirements (facilities commencing operation on or after 01/00)
Effective between the dates of 04/30/2003 and 04/01/2008**

Applicable Federal Requirement: 6NYCRR 204-1.6

Item 18.1: The NO_x authorized account representative of each NO_x budget unit shall submit to the Department a complete NO_x Budget permit application (as defined under Section 204-3.3) by May 1, 2002 or 12 months before the date on which the NO_x Budget unit commences operation.

**Condition 19: Submissions to the Department.
Effective between the dates of 04/30/2003 and 04/01/2008**

Applicable Federal Requirement: 6NYCRR 204-2.1

Item 19.1: Each submission under the NO_x Budget Trading Program shall be submitted, signed and 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 204-2.1(e)(1)) by the NO_x authorized account representative.

**Condition 20: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008**

Applicable Federal Requirement: 6NYCRR 204-4.1

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:

For each control period in which one or more NO_x Budget units at a source are subject to the NO_x Budget emissions limitation, the NO_x authorized account representative of the source shall submit to the Department and the



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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 21: Submission of NO_x allowance transfers.
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 204-7.1

Item 21.1: The NO_x authorized account representatives seeking recordation of a NO_x allowance transfer shall submit the transfer to the Administrator. To be considered correctly submitted, the NO_x 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 NO_x allowance to be transferred; and
- (c) The printed name and signature of the NO_x authorized account representative of the transferor account and the date signed.

Condition 22: General provisions.
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 204-8.1

Item 22.1: The owners and operators, and to the extent applicable, the NO_x authorized account representative of a NO_x 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 "NO_x Budget unit," "NO_x authorized account representative," and "continuous emission monitoring system" (or "CEMS"), respectively, as defined in Section 204-1.2.

Condition 23: Prohibitions.
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 204-8.1

Item 23.1: No owner or operator of a NO_x Budget unit or a non-NO_x 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, NO_x 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;



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(3) disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NO_x 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 NO_x 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 24: Requirements for installation, certification, and data accounting.

Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 204-8.1

Item 24.1: The owner or operator of each NO_x Budget unit must meet the following requirements. These provisions also apply to a unit for which an application for a NO_x 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 NO_x mass. This includes all systems required to monitor NO_x emission rate, NO_x concentration, heat input, and air or fuel flow, in accordance with 40 CFR 75.71 and 75.72.
- (2) Install all monitoring systems for monitoring heat input, if required under Section 204-8.7 for developing NO_x allowance allocations.
- (3) Successfully complete all certification tests required under Section 204-8.2 and meet all other provisions of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraphs (a)(1) and (2) of this section.
- (4) Record and report data from the monitoring systems under paragraphs (a)(1) and (2) of this section.

Condition 25: Requirements for recertification of monitoring systems.

Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 204-8.2

Item 25.1: Whenever the owner or operator makes a replacement, modification, or change in a certified monitoring system that the Administrator or the Department determines significantly affects the ability of the system to accurately measure or record NO_x mass emissions or heat input or to meet the requirements of 40 CFR 75.21 or Appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system according to 40 CFR 75.20(b). Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit's operation that



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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 26: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 204-8.2

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 27: Out of control periods.
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 204-8.3

Item 27.1: 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 28: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 204-8.4

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

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Item 28.2:

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 Compliance Monitoring and Enforcement (BCME) in the DEC central office. All Authorized Account Representative changes shall be sent to the NYSDEC central office.

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

The address for the USEPA Administrator is as follows:

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

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

The address for the BCME is as follows:

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

AAR changes should be sent to the attention of:

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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:

NYS SUNY
Building 40
Stony Brook, NY 11790-2356

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 29: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 204-8.7

Item 29.1:

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:

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 7/30/2003.

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

Condition 30: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 211.3

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

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Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 30.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

NO PERSON SHALL CAUSE OR ALLOW ANY AIR
CONTAMINATION SOURCE TO EMIT ANY MATERIAL
HAVING AN OPACITY EQUAL OR GREATER THAN
20% (SIX MINUTES AVERAGE) EXCEPT FOR ONE
CONTINUOUS 6-MINUTE PERIOD PER HOUR OF
NOT MORE THAN 57% OPACITY. COMPLIANCE
WITH THIS OPACITY REQUIREMENT WILL BE
SHOWN IN ACCORDANCE WITH 40CFR60 METHOD
9.

Process Material: NATURAL GAS

Manufacturer Name/Model Number: UNK

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40CFR60 APP A M-9

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 31: Compliance Certification

Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 211.3

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Except as permitted by a specific part of Title 6 of the

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NYCRR, 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.

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

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

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

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will



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last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40CFR60 APP A M-9
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 3 calendar month(s).

Condition 33: Notification/Reporting requirements
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 231-2.4

Item 33.1:

At least sixty (60) days prior to the scheduled commence operation date of the proposed source project or proposed major facility, the permittee shall submit any changes to the list of offset sources included in this permit. For each such change, the applicant must submit another "Use of Emission Reduction Credits Form" signed by the applicant and an authorized representative of the new offset source.

Item 33. 2:

The facility shall submit to the DEC Regional office a letter of confirmation that each future emission reduction, if any, used to provide emission offsets for this facility has physically occurred. This letter should be submitted, not less than 10 working days, prior to the facility's scheduled start-up date.

Item 33.3:

This permit shall be subject to revocation if construction is not commenced within 18 months from the date of issuance of such permit or if construction is discontinued for a period of 18 months or more (excluding any period of time that the permit is subject to challenge in State or Federal court), or if construction is not completed within a reasonable time acceptable to the Department.

Condition 32: Emission offset requirements
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 231-2.4

Item 32.1:

To satisfy the emission offset requirements of Part 231, the facility has obtained 75 tons per year NOx, Emission Reduction Credits (ERCs) from the following sources:

Facility Name	DEC ID	ERCs (tpy)
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Oceanside Landfill (Zapco Energy Tactics)	1-2820-00951	10.2
Oyster Bay Landfill (Zapco Energy Tactics)	1-2824-00077	<u>64.8</u>
	Total	75.0

**Condition 34: EPA Region 2 address.
Effective between the dates of 04/30/2003 and 04/01/2008**

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 34.1:

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

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

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

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

**Condition 35: Date of construction notification - If a COM is not used.
Effective between the dates of 04/30/2003 and 04/01/2008**

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

Item 35.1:

Any owner or operator subject to this part shall furnish the Administrator with the following information:

- 1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, post marked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and



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the expected completion date of the change. The Administrator may request additional information regarding the change;

5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;

6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date.

Condition 36: Recordkeeping requirements.

Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 36.1:

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

Condition 37: Excess emissions report.

Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 37.1:

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each calendar quarter (or as appropriate), and shall contain the following information:

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

Condition 38: Excess emissions report.

Effective between the dates of 04/30/2003 and 04/01/2008

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



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Item 38.1:

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

Condition 39: Facility files for subject sources.
Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 39.1:

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

Condition 40: Performance testing timeline.
Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 40.1:

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

Condition 41: Performance test methods.
Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 41.1:

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

Condition 42: Required performance test information.
Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 42.1:

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

Condition 43: Prior notice.
Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 43.1:

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

Condition 44: Performance testing facilities.

Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 44.1:

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

- 1) sampling ports adequate for tests methods applicable to such facility;
- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

Condition 45: Number of required tests.

Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 45.1:

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

Condition 46: Availability of information.

Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 40CFR 60.9, NSPS Subpart A

Item 46.1:

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

Condition 47: Opacity standard compliance testing.

Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 40CFR 60.11, NSPS Subpart A

Item 47.1:



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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 48: Compliance with Standards and Maintenance Requirements
Effective between the dates of 04/30/2003 and 04/01/2008**

Applicable Federal Requirement: 40CFR 60.11(a), NSPS Subpart A

Item 48.1:

Compliance with standards in 40 CFR Part 60, other than opacity standards, shall be determined in accordance with performance tests established by section 60.8 of 40 CFR Part 60 unless otherwise specified in the applicable standard.

**Condition 49: Compliance with Standards and Maintenance Requirements
Effective between the dates of 04/30/2003 and 04/01/2008**

Applicable Federal Requirement: 40CFR 60.11(d), NSPS Subpart A

Item 49.1:

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

**Condition 50: Circumvention.
Effective between the dates of 04/30/2003 and 04/01/2008**

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 50.1:

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

Condition 51: Monitoring requirements.



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Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 51.1:

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

Condition 52: Modifications.

Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A

Item 52.1:

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 53: Reconstruction

Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 40CFR 60.15, NSPS Subpart A

Item 53.1:

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

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

Condition 54: Accidental release provisions.

Effective between the dates of 04/30/2003 and 04/01/2008



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Applicable Federal Requirement: 40CFR 68.

Item 54.1:

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

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

Condition 55: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 40CFR 75.53(e), Subpart F

Item 55.1:

The Compliance Certification activity will be performed for the Facility.

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40 CFR 75.53(e) sets the requirements for the contents of the monitoring plan for the continuous emissions monitor. The facility owner and/or operator shall develop this plan based on these requirements.

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 8/29/2003.

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

Condition 56: Compliance Certification



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Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 40CFR 75.53(f), Subpart F

Item 56.1:

The Compliance Certification activity will be performed for the Facility.

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of the facility shall include the requirements in 40 CFR 75.53(f) in the development of the monitoring plan for the continuous emissions monitor if the owner or operator opts to use the protocol in Appendix E for estimating the NO_x emission rate.

Reporting Requirements: QUARTERLY (ANNIVERSARY)

Initial Report Due: 08/28/2003 for the period 04/30/2003 through 07/29/2003

Condition 57: Compliance Certification

Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 40CFR 75.54(a), Subpart F

Item 57.1:

The Compliance Certification activity will be performed for the Facility.

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) Recordkeeping requirements for affected sources. The owner or operator of any affected source subject to the requirements of this part shall maintain for each affected unit a file of all measurements, data, reports, and other information required by this part at the source in a form suitable for inspection for at least five (5) years from the date of each record. Unless otherwise provided, throughout this subpart the phrase "for each affected unit" also applies to each group of affected or nonaffected units utilizing a common stack and common monitoring systems, pursuant to §§75.16 through 75.18, or utilizing a common pipe header and common fuel flowmeter, pursuant to section 2.1.2 of appendix D of this part. The file shall contain the following information:

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- (1) The data and information required in paragraphs (b) through (g) of 40 CFR 75.54, beginning with the earlier of the date of provisional certification, or the deadline in §75.4(a), (b) or (c);
- (2) The supporting data and information used to calculate values required in paragraphs (b) through (f) of this section, excluding the subhourly data points used to compute hourly averages under §75.10(d), beginning with the earlier of the date of provisional certification, or the deadline in §75.4(a), (b) or (c);
- (3) The data and information required in §75.55 of this part for specific situations, as applicable, beginning with the earlier of the date of provisional certification, or the deadline in §75.4(a), (b) or (c);
- (4) The certification test data and information required in §75.56 for tests required under §75.20, beginning with the date of the first certification test performed, and the quality assurance and quality control data and information required in §75.56 for tests and the quality assurance/quality control plan required under §75.21 and appendix B of this part, beginning with the date of provisional certification;
- (5) The current monitoring plan as specified in §75.53, beginning with the 264 initial submission required by §75.62; and
- (6) The quality control plan as described in appendix B to this part, beginning with the date of provisional certification.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 58: Compliance Certification

Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 40CFR 75.58(b)(2), Subpart F

Item 58.1:

The Compliance Certification activity will be performed for the Facility.

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For units with add-on NOX emission controls using the optional parametric monitoring procedures in appendix C to this part, for each hour of missing NOX emission rate data the owner or operator shall record:

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- (i) Date and hour;
- (ii) Inlet air flow rate (scfh, rounded to the nearest thousand);
- (iii) Excess O₂ concentration of flue gas at stack outlet (percent, rounded to the nearest tenth of a percent);
- (iv) Carbon monoxide concentration of flue gas at stack outlet (ppm, rounded to the nearest tenth);
- (v) Temperature of flue gas at furnace exit or economizer outlet duct (°F);
- (vi) Other parameters specific to NO_x emission controls (e.g., average hourly reagent feedrate);
- (vii) Method of determination of NO_x emission rate using Codes 1-15 in Table 4 of § 75.54 or Codes 1-55 in Table 4a of § 75.57; and
- (viii) Inlet and outlet NO_x emission rate values recorded by a NO_x continuous emission monitoring system and the removal efficiency of the add-on emission controls.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 59: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 40CFR 75.58(b)(3), Subpart F

Item 59.1:

The Compliance Certification activity will be performed for the Facility.

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (3) For units with add-on SO₂ or NO_x emission controls following the provisions of § 75.34(a)(1) or (a)(2), the owner or operator shall, for each hour of missing SO₂ or NO_x emission data, record:

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(i) Parametric data which demonstrate the proper operation of the add-on emission controls, as described in the quality assurance/quality control program for the unit. The parametric data shall be maintained on site and shall be submitted, upon request, to the Administrator, EPA Regional office, State, or local agency;

(ii) A flag indicating either that the add-on emission controls are operating properly, as evidenced by all parameters being within the ranges specified in the quality assurance/quality control program, or that the add-on emission controls are not operating properly;

(iii) For units substituting a representative SO₂ concentration during missing data periods under § 75.34(a)(2), any available inlet and outlet SO₂ concentration values recorded by an SO₂ continuous emission monitoring system; and

(iv) For units substituting a representative NO_x emission rate during missing data periods under § 75.34(a)(2), any available inlet and outlet NO_x emission rate values recorded by a continuous emission monitoring system.

Reporting Requirements: QUARTERLY (ANNIVERSARY)

Initial Report Due: 08/28/2003 for the period 04/30/2003 through 07/29/2003

Condition 60: Specific SO₂ emission record provisions for gas-fired or oil fired units using optional protocol in Appendix D Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 40CFR 75.58(c), Subpart F

Item 60.1:

The owner or operator of this facility shall comply with the requirements of 40 CFR 75.58(c).

Condition 61: Recycling and Emissions Reduction Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 61.1:

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

Condition 62: Recycling and Emissions Reduction Effective between the dates of 04/30/2003 and 04/01/2008



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Applicable Federal Requirement: 40CFR 82, Subpart F

Item 62.1:

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

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

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

**Condition 63: Emission Point Definition By Emission Unit
Effective between the dates of 04/30/2003 and 04/01/2008**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 63.1:

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 195 Diameter (in.): 216
NYTMN (km.): 4513.19 NYTME (km.): 632.3 Building: BLDG01

**Condition 64: Process Definition By Emission Unit
Effective between the dates of 04/30/2003 and 04/01/2008**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 64.1:

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Permit ID: 1-4726-01500/00001

Facility DEC ID: 1472601500



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

Emission Unit: U-00001

Process: P01

Source Classification Code: 2-01-002-01

Process Description:

Emission Unit U00001 represents one natural gas-fired GE 7FA combustion turbine, rated at 1,788 mmBTU/hr during average ambient conditions (51.3 d f) and 1,950 mmBTU/hr maximum (at -5 d f). Process P01 represents natural gas operation of the combustion turbine and the turbine will be limited to natural gas firing only. Dry low NO_x combustion technology and Selective Catalytic Reduction will be used for control of NO_x and associated emissions. VOC and CO emissions will also be controlled by the use of an oxidation catalyst. The total throughput limits specified below represent the maximum fuel usage, on an hourly and annual basis.

Emission Source/Control: CC001 - Combustion

Design Capacity: 1,950 million Btu per hour

Emission Source/Control: CAT01 - Control

Control Type: CATALYTIC REDUCTION

Emission Source/Control: DLN01 - Control

Control Type: DRY LOW NO_x BURNER

Emission Source/Control: SCR01 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Condition 65: Compliance Certification

Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 201-6.1(a)

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS



New York State Department of Environmental Conservation

Permit ID: 1-4726-01500/00001

Facility DEC ID: 1472601500

Monitoring Description:

BACT Emission Limit. Records for demonstration of compliance with the VOC emission limit shall be maintained on site for five years. Any exceedances of the allowable annual VOC emission limitation must be reported to the DEC Regional Office within 10 working days of the exceedance.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: VOC's

Upper Permit Limit: 13.9 tons per year

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2004.

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

Condition 66: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 201-6.1(a)

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Carbon Monoxide emissions are limited to 8.7 lb/hr.

Initial stack testing is required to verify compliance with this emission limit.

Manufacturer Name/Model Number: UNK

Upper Permit Limit: 8.7 pounds per hour

Reference Test Method: 40CFR60 APP A M-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 7/30/2003.

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

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Permit ID: 1-4726-01500/00001

Facility DEC ID: 1472601500



Condition 67: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 201-6.1(a)

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Carbon emissions are limited to 2.0 ppm by volume (dry, corrected to 15% Oxygen). Initial stack testing is required to verify compliance with this limit.

Manufacturer Name/Model Number: UNK

Upper Permit Limit: 2.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40CFR60 APP A M-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 7/30/2003.

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

Condition 68: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 201-6.1(a)

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 68.2:



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Permit ID: 1-4726-01500/00001

Facility DEC ID: 1472601500

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Carbon Monoxide emissions are limited to 0.0045 lbmmBtu.
Initial stack testing is required to demonstrate compliance with this emission limit. Limit based on High Heating Value.

Manufacturer Name/Model Number: UNK

Upper Permit Limit: 0.0045 pounds per million Btus

Reference Test Method: 40CFR60 APP A M- 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 7/30/2003.

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

Condition 69: Compliance Certification

Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 69.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate combustion installation which exhibits greater than 20% opacity (six consecutive minute average), except for one-six minute period per hour of not more than 27% opacity.

Manufacturer Name/Model Number: UNK

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40CFR60 App. A M 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING



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Facility DEC ID: 1472601500

DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 70: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 231-2.5

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NO_x emissions are limited to 2.0 ppm by volume (dry, corrected to 15% Oxygen). Initial stack testing is required to verify compliance with this emission limit.

Manufacturer Name/Model Number: UNK

Upper Permit Limit: 2.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: 40CFR60 APP A M-20

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 71: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 231-2.5

Item 71.1:

The Compliance Certification activity will be performed for:



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Permit ID: 1-4726-01500/00001

Facility DEC ID: 1472601500

Emission Unit: U-00001

Regulated Contaminant(s):

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

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions are limited to 0.0073 lb/mmBtu. Initial stack testing is required to verify compliance with this emission limit. Limit based on High Heating Value.

Manufacturer Name/Model Number: UNK

Upper Permit Limit: 0.0073 pounds per million Btus

Reference Test Method: 40CFR60 APP A M-20

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 72: Compliance Certification

Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 231-2.5

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emissions are limited to 3.5 lb/hr. Initial stack testing is required to demonstrate compliance with emission limit.

Manufacturer Name/Model Number: NA

Upper Permit Limit: 3.5 pounds per hour



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Reference Test Method: 40CFR60 Method 25
Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 3 calendar month(s).

Condition 73: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 231-2.5

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
VOC emissions are limited to 1.4 ppm by volume (dry,
corrected to 15% Oxygen). Initial stack testing is
required to demonstrate compliance with emission limit.

Manufacturer Name/Model Number: UNK
Upper Permit Limit: 1.4 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: 40CFR60 Method 25
Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 3 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 231-2.5



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Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emissions are limited to 0.0018 lb/mmBtu. down.

Initial stack testing is required to demonstrate compliance with emission limit. Limit based on High Heating Value.

Manufacturer Name/Model Number: UNK

Upper Permit Limit: 0.0018 pounds per million Btus

Reference Test Method: 40CFR60 Method 25

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 75: Compliance Certification

Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 231-2.5

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

2.0 ppmvd (corrected to 15% O₂) NO_x emission limit from



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the combustion turbine based upon Higher Heating Value (HHV) of fuel. CEM to monitor NOx stack emissions.

Manufacturer Name/Model Number: UNK
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 2 parts per million by volume (dry, corrected to 15% O₂)
Reference Test Method: APP A M-20
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 3 calendar month(s).

Condition 76: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 6NYCRR 231-2.5

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

LAER emission limit. Records for demonstration of compliance with the NOx emission limit shall be maintained on site for five years. These records shall include i) mass emissions totaled over each 24-hour daily period (the total of hourly averages 12:00 midnight to the following midnight), and ii) the total mass emissions over a 365 day period beginning with the start-up of the facility. Any exceedances of the allowable annual NOx emission limitation must be reported in writing to the DEC Regional office within 10 working days of the exceedance.

Manufacturer Name/Model Number: SCR Manufacturer: Unknown
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 57.3 tons per year
Monitoring Frequency: CONTINUOUS



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Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: QUARTERLY (ANNIVERSARY)
Initial Report Due: 08/28/2003 for the period 04/30/2003 through 07/29/2003

Condition 77: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
CAS No: 007704-34-9 SULFUR
CAS No: 007727-37-9 NITROGEN

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Records of fuel supply and sample analysis for the determination of sulfur and nitrogen content in the fuel for the stationary gas turbine shall be kept and retained for a period of three (3) years and be available for inspection by personnel of federal, state and local air pollution control agencies. A custom fuel monitoring plan for this facility shall be submitted prior to operation.

Reference Test Method: NA

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 78: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 78.2:

Compliance Certification shall include the following monitoring:

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Permit ID: 1-4726-01500/00001

Facility DEC ID: 1472601500



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Records of fuel supply and sample analysis for the determination of sulfur and nitrogen content in fuel for the stationary gas turbine shall be kept and retained for a period of three (3) years and be available for inspection by personnel of federal, state and local air pollution control agencies. A custom fuel monitoring plan will be submitted for review and approval sixty (60) days prior to operation of the facility.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

**Condition 79: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 04/30/2003 and 04/01/2008**

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 79.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001

Item 79.2:

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

**Condition 80: Standard for nitrogen oxides.
Effective between the dates of 04/30/2003 and 04/01/2008**

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

Item 80.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001

Item 80.2:

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

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

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



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F = nitrogen oxide emission allowance for fuel bound nitrogen:

Fuel bound nitrogen (% by weight)	F (NOx % by volume)
N <= 0.015	0
0.015 < N <= 0.1	0.04(N)
0.1 < N <= 0.25	0.004 + 0.0067(N-0.1)
N > 0.25	0.005

Condition 81: Sulfur in fuel standard.
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable Federal Requirement: 40CFR 60.333, NSPS Subpart GG

Item 81.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001

Item 81.2:

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

Condition 82: Compliance Certification
Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No owner or operator subject to the provisions of 40CFR60 Subpart GG shall cause to be discharged into the atmosphere from any stationary gas turbine any gases which contain sulfur dioxide in excess of 0.015 percent by volume at 15 percent oxygen and on a dry basis. Compliance shall be determined by performing an emission test using test methods and procedures specified in 40CFR60.335.

Upper Permit Limit: 0.015 percent by volume

Monitoring Frequency: AS REQUIRED - SEE MONITORING



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Facility DEC ID: 1472601500

DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 83: Compliance Certification

Effective between the dates of 04/30/2003 and 04/01/2008

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

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 83.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a 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(b).

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.8 percent by weight

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 84: Contaminant List
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable State Requirement: ECL 19-0301.

Item 84.1:

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



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CAS No: 007664-41-7

Name: AMMONIA

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 007727-37-9

Name: NITROGEN

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 007704-34-9

Name: SULFUR

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

Condition 85: Unavoidable noncompliance and violations
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable State Requirement: 6NYCRR 201-1.4

Item 85.1:

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



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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 superseded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

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

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

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

Condition 86: Air pollution prohibited
Effective between the dates of 04/30/2003 and 04/01/2008

Applicable State Requirement: 6NYCRR 211.2

Item 86.1:

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.