

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2630400024**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 2-6304-00024/00035  
Effective Date: 06/14/2001 Expiration Date: 06/13/2006

Permit Issued To: KEYSpan - RAVENSWOOD SERVICES CORP  
175 EAST OLD COUNTRY RD  
HICKSVILLE, NY 11801

Contact: ROBERT D. TEETZ  
KEYSPAN CORPORATE SERVICES  
445 BROADHOLLOW RD  
MELVILLE, NY 11747  
(631) 391-6133

Facility: RAVENSWOOD GENERATING STATION  
38-54 VERNON BOULEVARD  
QUEENS, NY 11101

Contact: ROBERT D. TEETZ  
KEYSPAN CORPORATE SERVICES  
445 BROADHOLLOW RD  
MELVILLE, NY 11747  
(631) 391-6133

**Description:**

This is a Title V application for an existing electric generating facility. The facility consists of three (3) steam boiler turbine/generator sets and seventeen (17) simple cycle combustion turbines. Three (3) emergency generators are available to return the facility to service in the event of a catastrophic system failure.

The three (3) Very Large boilers are rated at 4204, 4171, and 9379 million BTU/hour. The boilers combust #6 residual oil, natural gas, and waste fuel. The seventeen (17) combustion turbines and three (3) boilers have a combined nominal rating of 2,288 Megawatts and combust distillate oil and natural gas.

The facility's emissions of particulate matter, nitrogen oxides, sulfur dioxide, and carbon monoxide exceed the major source pollutant thresholds listed in 6NYCRR Subpart 201-6. The facility is, therefore, subject to the provisions of Title V.

In addition to the provisions specified in this Title V permit, the facility is also required to comply with the opacity provisions of Consent Order R2-20000906-179.



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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: JOHN F. CRYAN  
ONE HUNTERS POINT PLAZA  
47-40 21ST ST  
LONG ISLAND CITY, NY 11101-5407

Authorized Signature: \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_\_\_



**Notification of Other 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, agents, and assigns for all claims, suits, actions, damages, and costs of every name and description, arising out of or resulting from the permittee's undertaking of activities or operation and maintenance of the facility or facilities authorized by the permit in compliance or non-compliance with the terms and conditions of the permit.

**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**

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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 2

HEADQUARTERS



**DEC GENERAL CONDITIONS**

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

**Condition 1: Facility Inspection by the Department**  
**Applicable State Requirement: ECL 19-0305.**

**Item 1.1:**

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

**Item 1.2:**

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

**Item 1.3:**

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

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

**Item 3.1:**

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

**Item 3.2:**

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

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

**Item 4.1:**

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

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modification, suspension or revocation include:

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

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

**Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 2 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 2 Headquarters  
Division of Environmental Permits  
1 Hunters Point Plaza, 4740 21st Street  
Long Island City, NY 11101-5407  
(718) 482-4997



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

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

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Authorized Activity By Standard Industrial



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- 100 Compliance Certification (EU=U-CT0S6)
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- 107 Compliance Certification (EU=U-CT202,EP=CT202)
- 108 Compliance Certification (EU=U-CT203)
- 109 Compliance Certification (EU=U-CT203)
- 110 Compliance Certification (EU=U-CT203,EP=CT203)
- 111 Compliance Certification (EU=U-CT204)
- 112 Compliance Certification (EU=U-CT204)
- 113 Compliance Certification (EU=U-CT204,EP=CT204)
- 114 Compliance Certification (EU=U-CT301)
- 115 Compliance Certification (EU=U-CT301)
- 116 Compliance Certification (EU=U-CT301,EP=CT301)
- 117 Compliance Certification (EU=U-CT302)
- 118 Compliance Certification (EU=U-CT302)
- 119 Compliance Certification (EU=U-CT302,EP=CT302)
- 120 Compliance Certification (EU=U-CT303)
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130 Compliance Certification (EU=U-00010,EP=00010)

131 Compliance Certification (EU=U-00020,EP=00020)

132 Compliance Certification (EU=U-00030,EP=00030)

Classification Code:

4911 - ELECTRIC SERVICES

Permit Effective Date: 06/14/2001

Permit Expiration Date: 06/13/2006



**FEDERALLY ENFORCEABLE CONDITIONS**  
**\*\*\*\* Facility Level \*\*\*\***

**Condition 1:      Sealing**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 200.5**

**Item 1.1:**

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

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

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

**Condition 2:      Acceptable ambient air quality**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 2.1:**

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

**Condition 3:      Maintenance of equipment**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 3.1:**

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



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**Condition 4: Unpermitted Emission Sources**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.2**

**Item 4.1:**

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

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

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

**Condition 5: Unavoidable Noncompliance and Violations**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 5.1:**

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

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



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

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

**Condition 6: Emergency Defense**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.5**

**Item 6.1:**

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

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

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

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

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

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

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

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

**Condition 7: Recycling and Salvage**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.7**



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**Item 7.1:**

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

**Condition 8: Prohibition of Reintroduction of Collected Contaminants to the Air**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.8**

**Item 8.1:**

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

**Condition 9: Public Access to Recordkeeping for Title V facilities**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 9.1:**

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

**Condition 10: Proof of Eligibility**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 10.1:**

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

**Condition 11: Proof of Eligibility**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 11.1:**



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

**Condition 12: Applicable Criteria, Limits, Terms, Conditions and Standards**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 12.1:**

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

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

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

**Item 12.2:**

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

**Condition 13: Cessation or Reduction of Permitted Activity Not a Defense**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 13.1:**

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

**Condition 14: Compliance Requirements**  
**Effective between the dates of 06/14/2001 and 06/13/2006**



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

**Item 14.1:**

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

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

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

**Item 14.2:**

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

**Item 14.3:**

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

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

**Condition 15: Federally-Enforceable Requirements**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 15.1:**

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that



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are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**Condition 16: Fees**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 16.1:**

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

**Condition 17: Monitoring, Related Recordkeeping and Reporting Requirements**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 17.1:**

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

**Condition 18: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 18.1:**

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

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

**Condition 19: Permit Shield**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 19.1:**

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

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

**Condition 20: Property Rights**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 20.1:**

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

**Condition 21: Reopening for Cause**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 21.1:**

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

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



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

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

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

**Item 21.2:**

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

**Item 21.3:**

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

**Condition 22: Right to Inspect**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 22.1:**

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

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

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

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

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

**Condition 23: Severability**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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



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**Item 23.1:**

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

**Condition 24: Emission Unit Definition**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 24.1:**

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

Emission Unit: U-00010

Emission Unit Description:

THIS UNIT CONSISTS OF DUAL, TANGENTIALLY FIRED FURNACES COMPRISING A SINGLE BOILER. STEAM FROM THIS BOILER OPERATES A TANDEM TURBINE GENERATOR SET NOMINALLY RATED AT 390 MW. THE FURNACES OPERATE ON NATURAL GAS OR LOW SULFUR #6 RESIDUAL OIL. ON OCCASION, SMALL AMOUNTS OF WASTE FUEL MAY BE FIRED IN CONJUNCTION WITH THE PRIMARY FUEL. ON AN INFREQUENT BASIS, NON-HAZARDOUS BOILER CLEANING SOLUTION MAY BE EVAPORATED IN THIS UNIT IN CONJUNCTION WITH THE PRIMARY FUEL. CLOSE COUPLED OVER-FIRED AIR (CCOFA) COMPARTMENTS HAVE BEEN ADDED TO THE UPPER AND LOWER WINDBOX SECTIONS OF THIS EMISSION UNIT. CCOFA IS A PROVEN NO<sub>x</sub> REDUCTION TECHNOLOGY AND WAS INSTALLED AS PART OF KEYSpan's PLAN TO MEET PHASE III OF THE NO<sub>x</sub> BUDGET REQUIREMENTS. INSTALLATION OCCURRED DURING THE FALL 2000 SCHEDULED OUTAGE.

Building(s): GEN STA

**Item 24.2:**

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

Emission Unit: U-00020

Emission Unit Description:

THIS UNIT CONSISTS OF DUAL, TANGENTIALLY FIRED FURNACES COMPRISING A SINGLE BOILER. STEAM FROM THIS BOILER OPERATES A TANDEM TURBINE GENERATOR SET NOMINALLY RATED AT 390 MW. THIS BOILER IS EQUIPPED WITH A CLOSE-COUPLED-OVERFIRED-AIR (CCOFA) SYSTEM TO REDUCE THE FORMATION OF NITROGEN OXIDES. THE FURNACES OPERATE ON NATURAL GAS OR LOW

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SULFUR #6 RESIDUAL OIL. ON OCCASION, SMALL AMOUNTS OF WASTE FUEL A MAY BE FIRED IN CONJUNCTION WITH THE PRIMARY FUEL. ON AN INFREQUENT BASIS, NON-HAZARDOUS BOILER CLEANING SOLUTIONS MAY BE EVAPORATED IN THIS UNIT IN CONJUNCTION WITH PRIMARY FUEL.

Building(s): GEN STA

**Item 24.3:**

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

Emission Unit: U-00030

Emission Unit Description:

THIS UNIT CONSISTS OF DUAL BOILERS, EACH HEATED BY DUAL, TANGENTIALLY FIRED FURNACES. STEAM FROM THESE BOILERS OPERATES A TANDEM TURBINE GENERATOR SET NOMINALLY RATED AT 972 MW. KEYSpan WILL BE INSTALLING A CLOSE-COUPLED-OVERFIRED-AIR (CCOFA) SYSTEM BY LATE 2001 TO FURTHER REDUCE THE FORMATION OF NITROGEN OXIDES. THE FURNACES OPERATE ON NATURAL GAS OR LOW SULFUR #6 RESIDUAL OIL. ON OCCASION, SMALL AMOUNTS OF WASTE FUEL A MAY BE FIRED IN CONJUNCTION WITH THE PRIMARY FUEL. ON AN INFREQUENT BASIS, NON-HAZARDOUS BOILER CLEANING SOLUTION MAY BE EVAPORATED IN THIS UNIT IN CONJUNCTION WITH THE PRIMARY FUEL.

Building(s): GEN STA

**Item 24.4:**

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

Emission Unit: U-CT001

Emission Unit Description:

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM. THIS UNIT IS A "BLACK-START" COMBUSTION TURBINE DESIGNED TO PROVIDE SUFFICIENT POWER TO BRING THE ENTIRE POWER STATION BACK ON-LINE FOLLOWING A CATASTROPHIC SYSTEM COLLAPSE. A DIESEL ENGINE, EMISSION POINT GT0S1, EMISSION UNIT U-CT0S1 IS UTILIZED TO START THIS COMBUSTION TURBINE.

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Building(s): GT1

**Item 24.5:**

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

Emission Unit: U-CT004

Emission Unit Description:

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM. A DIESEL ENGINE, EMISSION POINT GT0S4, EMISSION UNIT U-CT0S4 IS UTILIZED TO START THIS COMBUSTION TURBINE.

Building(s): CT4

**Item 24.6:**

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

Emission Unit: U-CT005

Emission Unit Description:

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM. A DIESEL ENGINE, EMISSION POINT GT0S5, EMISSION UNIT U-CT0S5 IS UTILIZED TO START THIS COMBUSTION TURBINE.

Building(s): CT5

**Item 24.7:**

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

Emission Unit: U-CT006

Emission Unit Description:

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM. A DIESEL ENGINE, EMISSION POINT GT0S6, EMISSION UNIT U-CT0S6 IS UTILIZED TO START THIS COMBUSTION TURBINE.

Building(s): CT6

**Item 24.8:**

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

Emission Unit: U-CT007

Emission Unit Description:

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THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM. A DIESEL ENGINE, EMISSION POINT GT0S7, EMISSION UNIT U-CT0S7 IS UTILIZED TO START THIS COMBUSTION TURBINE.

Building(s): CT7

**Item 24.9:**

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

Emission Unit: U-CT008

Emission Unit Description:

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM.

Building(s): CT8

**Item 24.10:**

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

Emission Unit: U-CT009

Emission Unit Description:

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM.

Building(s): CT9

**Item 24.11:**

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

Emission Unit: U-CT010

Emission Unit Description:

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM.

Building(s): CT10

**Item 24.12:**

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

Emission Unit: U-CT011

Emission Unit Description:

THIS UNIT IS A COMBUSTION TURBINE USED TO



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SUPPLY PEAK GENERATION CAPACITY, AS  
REQUIRED TO SUPPORT THE NYC ELECTRIC  
DISTRIBUTION SYSTEM.

Building(s): CT11

**Item 24.13:**

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

Emission Unit: U-CT0S1

Emission Unit Description:

THIS UNIT IS A 430 HP DIESEL ENGINE USED  
TO START THE "BLACK-START" COMBUSTION  
TURBINE, DESIGNATED EMISSION UNIT U-CT001.  
THIS UNIT ONLY OPERATES DURING START-UP OF  
THE COMBUSTION TURBINE, GENERALLY LESS THAN  
15 MINUTES PER EVENT.

Building(s): CT1

**Item 24.14:**

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

Emission Unit: U-CT0S4

Emission Unit Description:

THIS UNIT IS A 430 HP DIESEL ENGINE USED  
TO START THE "BLACK-START" COMBUSTION  
TURBINE, DESIGNATED EMISSION UNIT U-CT004.  
THIS UNIT ONLY OPERATES DURING START-UP OF  
THE COMBUSTION TURBINE, GENERALLY LESS THAN  
15 MINUTES PER EVENT.

Building(s): CT4

**Item 24.15:**

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

Emission Unit: U-CT0S5

Emission Unit Description:

THIS UNIT IS A 430 HP DIESEL ENGINE USED  
TO START THE "BLACK-START" COMBUSTION  
TURBINE, DESIGNATED EMISSION UNIT U-CT005.  
THIS UNIT ONLY OPERATES DURING START-UP OF  
THE COMBUSTION TURBINE, GENERALLY LESS THAN  
15 MINUTES PER EVENT.

Building(s): CT5

**Item 24.16:**

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

Emission Unit: U-CT0S6

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Emission Unit Description:

THIS UNIT IS A 430 HP DIESEL ENGINE USED TO START THE "BLACK-START" COMBUSTION TURBINE, DESIGNATED EMISSION UNIT U-CT006. THIS UNIT ONLY OPERATES DURING START-UP OF THE COMBUSTION TURBINE, GENERALLY LESS THAN 15 MINUTES PER EVENT.

Building(s): CT6

**Item 24.17:**

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

Emission Unit: U-CT0S7

Emission Unit Description:

THIS UNIT IS A 430 HP DIESEL ENGINE USED TO START THE "BLACK-START" COMBUSTION TURBINE, DESIGNATED EMISSION UNIT U-CT007. THIS UNIT ONLY OPERATES DURING START-UP OF THE COMBUSTION TURBINE, GENERALLY LESS THAN 15 MINUTES PER EVENT.

Building(s): CT7

**Item 24.18:**

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

Emission Unit: U-CT201

Emission Unit Description:

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM. TWO TURBINE ENGINES DRIVE A SINGLE GENERATOR AND EXHAUST THROUGH A COMMON STACK. Inlet water spray may be utilized for NOx reduction. Based on stack test results for carbon monoxide, operation of this unit shall be restricted such that the 365 day rolling summation of CO mass emissions shall not exceed that which would have been released during 4,171 (3,672 hr in ozone season plus 499 non-ozone season operation) hours of operation without inlet spray.

Building(s): CT21

**Item 24.19:**

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

Emission Unit: U-CT202

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**Emission Unit Description:**

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM. TWO TURBINE ENGINES DRIVE A SINGLE GENERATOR AND EXHAUST THROUGH A COMMON STACK. Inlet water spray may be utilized for NOx reduction. Based on stack test results for carbon monoxide, operation of this unit shall be restricted such that the 365 day rolling summation of CO mass emissions shall not exceed that which would have been released during 4,171 (3,672 hr in ozone season plus 499 non-ozone season operation) hours of operation without inlet spray.

Building(s): CT22

**Item 24.20:**

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

Emission Unit: U-CT203

**Emission Unit Description:**

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM. TWO TURBINE ENGINES DRIVE A SINGLE GENERATOR AND EXHAUST THROUGH A COMMON STACK. Inlet water spray may be utilized for NOx reduction. Based on stack test results for carbon monoxide, operation of this unit shall be restricted such that the 365 day rolling summation of CO mass emissions shall not exceed that which would have been released during 4,171 (3,672 hr in ozone season plus 499 non-ozone season operation) hours of operation without inlet spray.

Building(s): CT23

**Item 24.21:**

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

Emission Unit: U-CT204

**Emission Unit Description:**

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC

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DISTRIBUTION SYSTEM. TWO TURBINE ENGINES DRIVE A SINGLE GENERATOR AND EXHAUST THROUGH A COMMON STACK. Inlet water spray may be utilized for NOx reduction. Based on stack test results for carbon monoxide, operation of this unit shall be restricted such that the 365 day rolling summation of CO mass emissions shall not exceed that which would have been released during 4,171 (3,672 hr in ozone season plus 499 non-ozone season operation) hours of operation without inlet spray.

Building(s): CT24

**Item 24.22:**

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

Emission Unit: U-CT301

Emission Unit Description:

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM. TWO TURBINE ENGINES DRIVE A SINGLE GENERATOR AND EXHAUST THROUGH A COMMON STACK. Inlet water spray may be utilized for NOx reduction. Based on stack test results for carbon monoxide, operation of this unit shall be restricted such that the 365 day rolling summation of CO mass emissions shall not exceed that which would have been released during 4,171 (3,672 hr in ozone season plus 499 non-ozone season operation) hours of operation without inlet spray.

Building(s): CT31

**Item 24.23:**

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

Emission Unit: U-CT302

Emission Unit Description:

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM. TWO TURBINE ENGINES DRIVE A SINGLE GENERATOR AND EXHAUST THROUGH A COMMON STACK. Inlet water spray may be utilized for NOx reduction. Based

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on stack test results for carbon monoxide, operation of this unit shall be restricted such that the 365 day rolling summation of CO mass emissions shall not exceed that which would have been released during 4,171 (3,672 hr in ozone season plus 499 non-ozone season operation) hours of operation without inlet spray.

Building(s): CT32

**Item 24.24:**

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

Emission Unit: U-CT303

Emission Unit Description:

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM. TWO TURBINE ENGINES DRIVE A SINGLE GENERATOR AND EXHAUST THROUGH A COMMON STACK. Inlet water spray may be utilized for NOx reduction. Based on stack test results for carbon monoxide, operation of this unit shall be restricted such that the 365 day rolling summation of CO mass emissions shall not exceed that which would have been released during 4,171 (3,672 hr in ozone season plus 499 non-ozone season operation) hours of operation without inlet spray.

Building(s): CT33

**Item 24.25:**

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

Emission Unit: U-CT304

Emission Unit Description:

THIS UNIT IS A COMBUSTION TURBINE USED TO SUPPLY PEAK GENERATION CAPACITY, AS REQUIRED TO SUPPORT THE NYC ELECTRIC DISTRIBUTION SYSTEM. TWO TURBINE ENGINES DRIVE A SINGLE GENERATOR AND EXHAUST THROUGH A COMMON STACK. Inlet water spray may be utilized for NOx reduction. Based on stack test results for carbon monoxide, operation of this unit shall be restricted such that the 365 day rolling summation of CO mass emissions shall not exceed that



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which would have been released during 4,171  
(3,672 hr in ozone season plus 499  
non-ozone season operation) hours of  
operation without inlet spray.

Building(s): CT34

**Condition 25: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 25.2:**

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 unless otherwise directed by a specific permit condition. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

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

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

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

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

**Condition 26: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

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

Compliance certifications shall be submitted annually.



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

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

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

The address for the RAPCE is as follows:

Hunters Point Plaza  
47-40 21st Street  
Long Island City, NY 11101-5407

The address for the BCME is as follows:

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

Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after previous reporting period

**Condition 27: Permit Exclusion Provisions**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 27.1:**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any currently pending or



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future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR), and particularly any such enforcement action as may be authorized pursuant to 6 NYCRR 201-1.2 and 6 NYCRR 201-6.5(g).

The issuance of this permit by the Department and the receipt thereof by the Applicant does not supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by this permit.

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

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

**Condition 28: Non Applicable requirements**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 28.1:**

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

**Condition 29: Required emissions tests**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 202-1.1**

**Item 29.1:**

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

**Condition 30: Compliance Certification**



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**Permit ID: 2-6304-00024/00035**

**Facility DEC ID: 2630400024**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 30.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 30.2:**

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 31: Recordkeeping requirements**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 31.1:**

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

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

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

**Condition 32: Permit requirements.**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 204-1.6**

**Item 32.1:** The NO<sub>x</sub> authorized account representative of each NO<sub>x</sub> budget unit shall submit to the Department a complete NO<sub>x</sub> Budget permit application (as defined under Section 204-3.3) by May 1, 2002.

**Condition 33: Submissions to the Department.**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 33.1:** Each submission under the NOx Budget Trading Program shall be submitted, signed and certified by the NOx authorized account representative for each NOx Budget source on behalf of which the submission is made. Each submission shall include a certification statement (as stated in paragraph 204-2.1(e)(1)) by the NOx authorized account representative.

**Condition 34: Contents of reports and compliance certifications.**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 34.1:** The NOx authorized account representative shall include in the compliance certification report the following elements, in a format prescribed by the Administrator, concerning each unit at the source and subject to the NOx Budget emissions limitation for the control period covered by the report:

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

**Condition 35: Discretionary report contents.**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 35.1:** At the NOx authorized account representative's option the following may be included in the compliance certification report:

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

**Condition 36: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 36.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 37: Submission of NOx allowance transfers.**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 37.1:** The NOx authorized account representatives seeking recordation of a NOx allowance transfer shall submit the transfer to the Administrator. To be considered correctly submitted, the NOx allowance transfer shall include the following elements in a format specified by the Administrator:

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

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**Condition 38: General provisions.**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 38.1:** The owners and operators, and to the extent applicable, the NOx authorized account representative of a NOx Budget unit, shall comply with the monitoring and reporting requirements as provided in this Subpart and in Subpart H of 40 CFR Part 75. For purposes of complying with such requirements, the definitions in Section 204-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be replaced by the terms "NOx Budget unit," "NOx authorized account representative," and "continuous emission monitoring system" (or "CEMS"), respectively, as defined in Section 204-1.2.

**Condition 39: Prohibitions.**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 39.1:** No owner or operator of a NOx Budget unit or a non-NOx Budget unit monitored under 40 CFR 75.72(b)(2)(ii) shall:

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

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

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

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

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

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

**Condition 40: Requirements for installation, certification, and data accounting.**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 40.1:** The owner or operator of each NOx Budget unit must meet the following requirements. These provisions also apply to a unit for which an application for a NOx Budget opt-in permit is submitted and not denied or withdrawn, as provided in Subpart 204-9:

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

**Condition 41: Requirements for recertification of monitoring systems.  
Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 41.1:** Whenever the owner or operator makes a replacement, modification, or change in a certified monitoring system that the Administrator or the Department determines significantly affects the ability of the system to accurately measure or record NOx mass emissions or heat input or to meet the requirements of 40 CFR 75.21 or Appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system according to 40 CFR 75.20(b). Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit's operation that the Administrator or the Department determines to significantly change the flow or concentration profile, the owner or operator shall recertify the continuous emissions monitoring system according to 40 CFR 75.20(b). Examples of changes which require recertification include: replacement of the analyzer, change in location or orientation of the sampling probe or site, or changing of flow rate monitor polynomial coefficients.

**Condition 42: Compliance Certification  
Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 42.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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The owner or operator of a NO<sub>x</sub> Budget unit under paragraphs (b)(2) or (b)(3) of this section must determine, record and report NO<sub>x</sub> mass, heat input (if required for purposes of allocations) and any other values required to determine NO<sub>x</sub> Mass (e.g. NO<sub>x</sub> emission rate and heat input or NO<sub>x</sub> 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 43: Out of control periods.**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 43.1:** 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 44: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 44.1:**  
The Compliance Certification activity will be performed for the Facility.

**Item 44.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Authorized Account Representative for a NO<sub>x</sub> Budget unit shall submit written notice to the Department and the USEPA Administrator in accordance with the requirements of this subpart as follows:

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

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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:

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

Ms. Ann Zownir  
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  
50 Wolf Rd. Room 108  
Albany N.Y. 12233-3258

ACR changes should be sent to the attention of:

NYSDEC  
Stationary Source Planning Section  
Bureau of Air Quality Planning  
50 Wolf Rd  
Albany NY 12233-3251

The address for the RAPCE is as follows:

Hunters Point Plaza  
47-20 21st Street  
Long Island City, NY 11101-5407

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 45: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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**Applicable Federal Requirement: 6NYCRR 204-8.7**

**Item 45.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 45.2:**

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<sub>x</sub> Mass emissions using a NO<sub>x</sub> 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 each calendar quarter (January - March, April - June, July - September, October - December)

**Condition 46: Submittal of Episode Action Plans**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 207.**

**Item 46.1:**

An episode action plan must be submitted for approval by the Department in accordance with the requirements of 6NYCRR Part 207. The plan shall contain detailed steps which will be taken by the facility to reduce air contaminant emissions during each stage of an air pollution episode. Once approved, the facility shall take whatever actions are prescribed by the episode action plan when an air pollution episode is in effect.

**Condition 47: Visible emissions limited.**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 47.1:**

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

**Condition 48: Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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**Applicable Federal Requirement: 6NYCRR 215.**

**Item 48.1:**

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

**Condition 49: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)**

**Item 49.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 49.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall sell, offer for sale, purchase or use any residual oil fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 0.30 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after each calendar month

**Condition 50: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)**

**Item 50.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 50.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:



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No person shall sell, offer for sale, purchase or use any distillate oil fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Limit of Monitoring: 0.20 percent by weight  
Monitoring Frequency: PER DELIVERY  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: MONTHLY (CALENDAR)  
Reports due 30 days after each calendar month

**Condition 51: Emission and fuel monitoring methods.**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 225-1.7**

**Item 51.1:**

Facilities subject to Part 225-1 shall comply with the emission and fuel monitoring methods and requirements of this section 6 NYCRR 225-1.7.

**Condition 52: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 52.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a facility which purchases and fires oil shall submit reports to the commissioner containing a fuel analysis, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. These reports are due sixty (60) days after every 6 calendar months (January - June, July - December).

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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**Condition 53: Sampling, compositing, and analysis of fuel samples**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 53.1:**

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

**Condition 54: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 225-2.3(b)**

**Item 54.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Each piece of equipment which fires Waste Fuel A shall demonstrate, at a minimum, 99% combustion efficiency.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: COMBUSTION EFFICIENCY

Lower Limit of Monitoring: 99.0 percent

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 55: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 225-2.4(b)**

**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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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Fuel contaminant limitations for lead.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Limit of Monitoring: 250.0 parts per million by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 56: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 225-2.4(b)**

**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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Fuel heat content - minimum required

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: HEAT CONTENT

Lower Limit of Monitoring: 125000.0 British thermal units per gallon

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 57: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 225-2.4(b)**

**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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:  
Fuel contaminant limitations for Polychlorinated Biphenyls.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Limit of Monitoring: 49.99 parts per million by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 58: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 225-2.4(b)**

**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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:  
Fuel contaminant limitations for total halogens.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Limit of Monitoring: 1000.0 parts per million by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 59: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**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: MONITORING OF PROCESS OR CONTROL  
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60. Opacity reports are due sixty (60) days after the end of each calendar quarter (January - March, April - June, July - September, October - December).

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Monitoring Frequency: DAILY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 60: This condition states the facility is applicable to NOx RACT.**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 60.1:**

This facility is subject to NOx RACT.

**Condition 61: Compliance plans and deadlines.**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.3**

**Item 61.1:**

All existing combustion installations at major stationary sources of NOx subject to Subpart 227-2 shall by March 15, 1994 identify measures necessary to achieve compliance with Subpart 227-2.

Requirements contained in an permit(s) to construct or certificates to operate in effect which are more restrictive than those contained in this Subpart, or which impose additional requirements beyond those contained in this Subpart, will remain in effect. Small boilers are not subject to this section. Any owner or operator of a facility subject to this section must submit to the Department an operating plan acceptable to the Department (items to be included at a minimum are listed in 227- 2.3g).



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**Condition 62: KeySpan Energy NOx RACT System-Wide Averaging Plan  
Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.5(b)**

**Item 62.1:**

KeySpan Energy's system-wide averaging of NOx emissions from its Ravenswood Steam Plant and Ravenswood Generating Station must be performed in accordance with its NOx RACT System-Wide Averaging Plan, dated December 28, 1993, approved by the Department, and modified on December 16, 1999, to include its Ravenswood Generating Station and Steam Plant in its system.

**Condition 63: Authorized Account Representatives (AARs)  
Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.12**

**Item 63.1:** Each budget source must designate an AAR, and may designate an alternate AAR, for each compliance account and compliance overdraft account.

**Condition 64: Compliance Certification  
Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.15**

**Item 64.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 64.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after each calendar quarter (January - March, April - June,  
July - September, October - December)

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**Condition 65: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.16**

**Item 65.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 65.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) Each year during the period extending from November 1 through the allowance transfer deadline, December 31, this budget source may request the Administrator to deduct a number of allowances from the budget source's compliance account equal to the current year control period NO<sub>x</sub> emissions from the budget source. The request must include identification of the compliance account from which the deductions should be made. The request may include the serial numbers of the particular allowances to be deducted. If no serial numbers are included, the Administrator will first deduct allowances allocated for the current year control period. If the Administrator exhausts all allowances allocated for the current year control period, the Administrator will next deduct banked allowances in the compliance account in the order in which they were deposited. The request may only involve allowances placed in the budget source's compliance account; allowances in a compliance overdraft account or general account may not be deducted pursuant to the request.

(b) If, by November 1 of the current year, the total number of allowances in the budget source's compliance account and compliance overdraft account, including allowance transfer requests properly submitted to the Administrator, is less than the current year control period NO<sub>x</sub> emissions from the budget source, the budget source must obtain additional allowances by the allowance transfer deadline so that the total number of allowances in the compliance account and compliance overdraft account, including allowance transfer requests properly

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submitted to the Administrator by the allowance transfer deadline, at least equals the current year control period NOx emissions rounded to the nearest whole ton. The Administrator will not consider for compliance purposes allowances contained in any general account held by the owner and/or operator of the budget source.

(c) If, by the allowance transfer deadline, this budget source either makes no allowance deduction request or makes a request that is insufficient to meet the requirements of Subdivision 227-3.16(a), the Administrator will deduct a number of allowances from the budget source's compliance account and compliance overdraft account that equals the current year control period NOx emissions from the budget source. Under this Subdivision, the Administrator will deduct allowances in the following order:

- (1) Current year allowances from the compliance account in the order in which they were deposited.
- (2) Banked allowances in the compliance account in the order in which they were deposited.
- (3) Current year allowances from the compliance overdraft account in the order in which they were deposited.
- (4) Banked allowances from the compliance overdraft account in the order in which they were deposited.

(d) Any banked allowances deducted pursuant to this Section shall be deducted in accordance with the provisions of Section 227-3.9.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 66: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.17**

**Item 66.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 66.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (a) By December 31 of each year, this budget source must submit a compliance certification to the Department relating to the budget source's activities during the current year.
  
- (b) The compliance certification shall contain, at a minimum:
  - (1) identification of the budget source, including address of the budget source, name and address of the owner and/or operator, account numbers of the relevant compliance account and compliance overdraft account and the name of the AAR;
  - (2) a statement indicating whether NO<sub>x</sub> emissions data have been reported to the NETS in accordance with the procedures set forth in Section 227-3.15 and any additional procedures established by the Administrator;
  - (3) a statement indicating whether the budget source has a number of allowances in its compliance account or compliance overdraft account equal to or greater than the budget source's NO<sub>x</sub> emissions for the current year control period;
  - (4) a statement indicating whether the monitoring data reflected the actual operation of the budget source;
  - (5) a statement indicating whether all NO<sub>x</sub> emissions from the budget source were accounted for, either through the relevant monitoring or application of the appropriate missing data procedures; and
  - (6) a statement indicating whether there were any changes in the method of operation of the budget source or the method of monitoring the budget source during the current year.
  
- (c) The Department may verify compliance by whatever means necessary, including, but not limited to, the following:
  - (1) inspection of budget source operating records;
  - (2) examining information contained in the NATS (NO<sub>x</sub> Allowance Tracking System) regarding allowance deductions and transfers for the budget source;
  - (3) examining information contained in the NETS (NO<sub>x</sub> Emission Tracking System) regarding NO<sub>x</sub> emissions from the budget source;
  - (4) testing emission monitoring devices; and,
  - (5) testing conducted pursuant to 6 NYCRR Part 202.



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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 67: Recycling and Emissions Reduction**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 40CFR 82, Subpart F**

**Item 67.1:**

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 68: Emission Point Definition By Emission Unit**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 68.1:**

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

Emission Unit: U-00010

Emission Point: 00010

Height (ft.): 499

Diameter (in.): 160

NYTMN (km.): 4512.1

NYTME (km.): 588.9

Building: GEN STA



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**Facility DEC ID: 2630400024**

**Item 68.2:**

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

Emission Unit: U-00020

Emission Point: 00020

Height (ft.): 499

Diameter (in.): 162

Building: GEN STA

**Item 68.3:**

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

Emission Unit: U-00030

Emission Point: 00030

Height (ft.): 499

Diameter (in.): 282

Building: GEN STA

**Item 68.4:**

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

Emission Unit: U-CT001

Emission Point: GT001

Height (ft.): 28

Length (in.): 96

Width (in.): 120

NYTMN (km.): 4512.323 NYTME (km.): 588.933

Building: GT1

**Item 68.5:**

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

Emission Unit: U-CT004

Emission Point: CT004

Height (ft.): 47

Length (in.): 84

Width (in.): 254

Building: CT4

**Item 68.6:**

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

Emission Unit: U-CT005

Emission Point: CT005

Height (ft.): 47

Length (in.): 84

Width (in.): 254

Building: CT5

**Item 68.7:**

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



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Emission Unit: U-CT006

Emission Point: CT006

Height (ft.): 47

Length (in.): 84

Width (in.): 254

Building: CT6

**Item 68.8:**

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

Emission Unit: U-CT007

Emission Point: CT007

Height (ft.): 47

Length (in.): 84

Width (in.): 254

Building: CT7

**Item 68.9:**

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

Emission Unit: U-CT008

Emission Point: CT008

Height (ft.): 35

Length (in.): 114

Width (in.): 156

Building: CT8

**Item 68.10:**

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

Emission Unit: U-CT009

Emission Point: CT009

Height (ft.): 35

Length (in.): 114

Width (in.): 156

Building: CT9

**Item 68.11:**

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

Emission Unit: U-CT010

Emission Point: CT010

Height (ft.): 35

Length (in.): 114

Width (in.): 156

Building: CT10

**Item 68.12:**

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

Emission Unit: U-CT011

Emission Point: CT011



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Height (ft.): 35

Length (in.): 114

Width (in.): 156

Building: CT11

**Item 68.13:**

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

Emission Unit: U-CT0S1

Emission Point: GT0S1

Height (ft.): 15

Diameter (in.): 5

Building: CT1

**Item 68.14:**

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

Emission Unit: U-CT0S4

Emission Point: CT0S4

Height (ft.): 15

Diameter (in.): 5

Building: CT4

**Item 68.15:**

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

Emission Unit: U-CT0S5

Emission Point: CT0S5

Height (ft.): 15

Diameter (in.): 5

Building: CT5

**Item 68.16:**

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

Emission Unit: U-CT0S6

Emission Point: CT0S6

Height (ft.): 47

Length (in.): 84

Width (in.): 254

Building: CT6

**Item 68.17:**

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

Emission Unit: U-CT0S7

Emission Point: CT0S7

Height (ft.): 47

Length (in.): 84

Width (in.): 254

Building: CT7



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**Item 68.18:**

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

Emission Unit: U-CT201

Emission Point: CT201

Height (ft.): 50

Length (in.): 240

Width (in.): 240

Building: CT21

**Item 68.19:**

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

Emission Unit: U-CT202

Emission Point: CT202

Height (ft.): 50

Length (in.): 240

Width (in.): 240

Building: CT22

**Item 68.20:**

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

Emission Unit: U-CT203

Emission Point: CT203

Height (ft.): 50

Length (in.): 240

Width (in.): 240

Building: CT23

**Item 68.21:**

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

Emission Unit: U-CT204

Emission Point: CT204

Height (ft.): 50

Length (in.): 240

Width (in.): 240

Building: CT24

**Item 68.22:**

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

Emission Unit: U-CT301

Emission Point: CT301

Height (ft.): 50

Length (in.): 240

Width (in.): 240

Building: CT31

**Item 68.23:**

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



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Emission Unit: U-CT302

Emission Point: CT302

Height (ft.): 50

Length (in.): 240

Width (in.): 240

Building: CT32

**Item 68.24:**

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

Emission Unit: U-CT303

Emission Point: CT303

Height (ft.): 50

Length (in.): 240

Width (in.): 240

Building: CT33

**Item 68.25:**

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

Emission Unit: U-CT304

Emission Point: CT304

Height (ft.): 50

Length (in.): 240

Width (in.): 240

Building: CT34

**Condition 69: Process Definition By Emission Unit**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 69.1:**

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

Emission Unit: U-00010

Process: P01

Source Classification Code: 1-01-004-04

Process Description:

THIS PROCESS IS THE COMBUSTION OF #6 RESIDUAL OIL IN A TANGENTIALLY FIRED STEAM-ELECTRIC BOILER. A non-hazardous additive may be used to improve combustion.

Emission Source/Control: ES10H - Combustion

Design Capacity: 2,102 million Btu per hour

Emission Source/Control: ES10R - Combustion

Design Capacity: 2,102 million Btu per hour

**Item 69.2:**



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**Permit ID: 2-6304-00024/00035**

**Facility DEC ID: 2630400024**

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

Emission Unit: U-00010

Process: P02

Source Classification Code: 1-01-006-04

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE  
NATURAL GAS IN A TANGENTIALLY FIRED  
STEAM-ELECTRIC BOILER.

Emission Source/Control: ES10H - Combustion

Design Capacity: 2,102 million Btu per hour

Emission Source/Control: ES10R - Combustion

Design Capacity: 2,102 million Btu per hour

**Item 69.3:**

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

Emission Unit: U-00010

Process: P03

Source Classification Code: 1-01-013-02

Process Description:

THIS PROCESS IS THE CO-FIRING OF WASTE  
FUEL A WITH #6 RESIDUAL OIL AND/OR NATURAL  
GAS IN A TANGENTIALLY FIRED STEAM-ELECTRIC  
BOILER.

Emission Source/Control: ES10H - Combustion

Design Capacity: 2,102 million Btu per hour

Emission Source/Control: ES10R - Combustion

Design Capacity: 2,102 million Btu per hour

**Item 69.4:**

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

Emission Unit: U-00010

Process: P04

Source Classification Code: 5-03-007-01

Process Description:

THIS PROCESS INVOLVES THE INCINERATION OF  
NON-HAZARDOUS BOILER CHEMICAL CLEANING  
SOLUTIONS IN A TANGENTIALLY FIRED  
STEAM-ELECTRIC BOILER.

Emission Source/Control: ES10H - Combustion

Design Capacity: 2,102 million Btu per hour

Emission Source/Control: ES10R - Combustion

Design Capacity: 2,102 million Btu per hour

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**Facility DEC ID: 2630400024**



**Item 69.5:**

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

Emission Unit: U-00020

Process: P05

Source Classification Code: 1-01-004-04

Process Description:

THIS PROCESS IS THE COMBUSTION OF #6 RESIDUAL OIL IN A TANGENTIALLY FIRED STEAM-ELECTRIC BOILER. A non-hazardous additive may be used to improve combustion.

Emission Source/Control: ES20H - Combustion

Design Capacity: 2,085 million Btu per hour

Emission Source/Control: ES20R - Combustion

Design Capacity: 2,085 million Btu per hour

**Item 69.6:**

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

Emission Unit: U-00020

Process: P06

Source Classification Code: 1-01-006-04

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE NATURAL GAS IN A TANGENTIALLY FIRED STEAM-ELECTRIC BOILER.

Emission Source/Control: ES20H - Combustion

Design Capacity: 2,085 million Btu per hour

Emission Source/Control: ES20R - Combustion

Design Capacity: 2,085 million Btu per hour

**Item 69.7:**

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

Emission Unit: U-00020

Process: P07

Source Classification Code: 1-01-013-02

Process Description:

THIS PROCESS IS THE CO-FIRING OF WASTE FUEL A WITH #6 RESIDUAL OIL AND/OR NATURAL GAS IN A TANGENTIALLY FIRED STEAM-ELECTRIC BOILER.

Emission Source/Control: ES20H - Combustion

Design Capacity: 2,085 million Btu per hour

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Emission Source/Control: ES20R - Combustion

Design Capacity: 2,085 million Btu per hour

**Item 69.8:**

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

Emission Unit: U-00020

Process: P08

Source Classification Code: 5-03-007-01

Process Description:

THIS PROCESS INVOLVES THE INCINERATION OF  
NON-HAZARDOUS BOILER CHEMICAL CLEANING  
SOLUTIONS IN A TANGENTIALLY FIRED  
STEAM-ELECTRIC BOILER.

Emission Source/Control: ES20H - Combustion

Design Capacity: 2,085 million Btu per hour

Emission Source/Control: ES20R - Combustion

Design Capacity: 2,085 million Btu per hour

**Item 69.9:**

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

Emission Unit: U-00030

Process: P09

Source Classification Code: 1-01-004-04

Process Description:

THIS PROCESS IS THE COMBUSTION OF #6  
RESIDUAL OIL IN A TANGENTIALLY FIRED  
STEAM-ELECTRIC BOILER. A non-hazardous  
additive may be used to improve  
combustion.

Emission Source/Control: ES30H - Combustion

Design Capacity: 4,689 million Btu per hour

Emission Source/Control: ES30R - Combustion

Design Capacity: 4,689 million Btu per hour

**Item 69.10:**

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

Emission Unit: U-00030

Process: P10

Source Classification Code: 1-01-006-04

Process Description:

20 THIS PROCESS IS THE COMBUSTION OF PIPELINE  
NATURAL GAS IN A TANGENTIALLY FIRED  
STEAM-ELECTRIC BOILER.

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Emission Source/Control: ES30H - Combustion  
Design Capacity: 4,689 million Btu per hour

Emission Source/Control: ES30R - Combustion  
Design Capacity: 4,689 million Btu per hour

**Item 69.11:**

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

Emission Unit: U-00030

Process: P11

Source Classification Code: 1-01-013-02

Process Description:

THIS PROCESS IS THE CO-FIRING OF WASTE FUEL A WITH #6 RESIDUAL OIL AND/OR NATURAL GAS IN A TANGENTIALLY FIRED STEAM-ELECTRIC BOILER.

Emission Source/Control: ES30H - Combustion  
Design Capacity: 4,689 million Btu per hour

Emission Source/Control: ES30R - Combustion  
Design Capacity: 4,689 million Btu per hour

**Item 69.12:**

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

Emission Unit: U-00030

Process: P12

Source Classification Code: 5-03-007-01

Process Description:

THIS PROCESS INVOLVES THE INCINERATION OF NON-HAZARDOUS BOILER CHEMICAL CLEANING SOLUTIONS IN A TANGENTIALLY FIRED STEAM-ELECTRIC BOILER.

Emission Source/Control: ES30H - Combustion  
Design Capacity: 4,689 million Btu per hour

Emission Source/Control: ES30R - Combustion  
Design Capacity: 4,689 million Btu per hour

**Item 69.13:**

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

Emission Unit: U-CT001

Process: P21

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE

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NATURAL GAS IN A COMBUSTION TURBINE.

Emission Source/Control: ES001 - Combustion

Design Capacity: 243 million Btu per hour

**Item 69.14:**

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

Emission Unit: U-CT004

Process: P24

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCIDES  
MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES004 - Combustion

Design Capacity: 235 million Btu per hour

**Item 69.15:**

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

Emission Unit: U-CT004

Process: P25

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCIDES  
MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES004 - Combustion

Design Capacity: 235 million Btu per hour

**Item 69.16:**

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

Emission Unit: U-CT004

Process: P26

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE  
NATURAL GAS IN A COMBUSTION TURBINE.

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Emission Source/Control: ES004 - Combustion  
Design Capacity: 235 million Btu per hour

**Item 69.17:**

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

Emission Unit: U-CT005

Process: P29

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCIDES  
MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES005 - Combustion  
Design Capacity: 235 million Btu per hour

**Item 69.18:**

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

Emission Unit: U-CT005

Process: P30

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCIDES  
MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES005 - Combustion  
Design Capacity: 235 million Btu per hour

**Item 69.19:**

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

Emission Unit: U-CT005

Process: P31

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE  
NATURAL GAS IN A COMBUSTION TURBINE.

Emission Source/Control: ES005 - Combustion  
Design Capacity: 235 million Btu per hour

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**Item 69.20:**

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

Emission Unit: U-CT006

Process: P34

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCIDES  
MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES006 - Combustion

Design Capacity: 235 million Btu per hour

**Item 69.21:**

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

Emission Unit: U-CT006

Process: P35

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCIDES  
MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES006 - Combustion

Design Capacity: 235 million Btu per hour

**Item 69.22:**

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

Emission Unit: U-CT006

Process: P36

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE  
NATURAL GAS IN A COMBUSTION TURBINE.

Emission Source/Control: ES006 - Combustion

Design Capacity: 235 million Btu per hour

**Item 69.23:**

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**Facility DEC ID: 2630400024**



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

Emission Unit: U-CT007

Process: P39

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCID  
MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES007 - Combustion

Design Capacity: 235 million Btu per hour

**Item 69.24:**

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

Emission Unit: U-CT007

Process: P40

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCID  
MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES007 - Combustion

Design Capacity: 235 million Btu per hour

**Item 69.25:**

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

Emission Unit: U-CT007

Process: P41

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE  
NATURAL GAS IN A COMBUSTION TURBINE.

Emission Source/Control: ES007 - Combustion

Design Capacity: 235 million Btu per hour

**Item 69.26:**

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



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**Facility DEC ID: 2630400024**

Emission Unit: U-CT008

Process: P44

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE  
NATURAL GAS IN A COMBUSTION TURBINE.

Emission Source/Control: ES008 - Combustion

Design Capacity: 255 million Btu per hour

**Item 69.27:**

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

Emission Unit: U-CT008

Process: P45

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCIDES  
MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES008 - Combustion

Design Capacity: 255 million Btu per hour

**Item 69.28:**

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

Emission Unit: U-CT008

Process: P46

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCIDES  
MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES008 - Combustion

Design Capacity: 255 million Btu per hour

**Item 69.29:**

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

Emission Unit: U-CT009

Process: P47

Source Classification Code: 2-01-002-01



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**Facility DEC ID: 2630400024**

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE  
NATURAL GAS IN A COMBUSTION TURBINE.

Emission Source/Control: ES009 - Combustion

Design Capacity: 255 million Btu per hour

**Item 69.30:**

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

Emission Unit: U-CT009

Process: P48

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCIDES  
MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES009 - Combustion

Design Capacity: 255 million Btu per hour

**Item 69.31:**

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

Emission Unit: U-CT009

Process: P49

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCIDES  
MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES009 - Combustion

Design Capacity: 255 million Btu per hour

**Item 69.32:**

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

Emission Unit: U-CT010

Process: P50

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE

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NATURAL GAS IN A COMBUSTION TURBINE.

Emission Source/Control: ES010 - Combustion

Design Capacity: 255 million Btu per hour

**Item 69.33:**

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

Emission Unit: U-CT010

Process: P51

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCIDES  
MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES010 - Combustion

Design Capacity: 255 million Btu per hour

**Item 69.34:**

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

Emission Unit: U-CT010

Process: P52

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCIDES  
MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES010 - Combustion

Design Capacity: 255 million Btu per hour

**Item 69.35:**

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

Emission Unit: U-CT011

Process: P53

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE  
NATURAL GAS IN A COMBUSTION TURBINE.



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**Permit ID: 2-6304-00024/00035**

**Facility DEC ID: 2630400024**

Emission Source/Control: ES011 - Combustion

Design Capacity: 255 million Btu per hour

**Item 69.36:**

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

Emission Unit: U-CT011

Process: P54

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES011 - Combustion

Design Capacity: 255 million Btu per hour

**Item 69.37:**

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

Emission Unit: U-CT011

Process: P55

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES MAY BE ADDED TO PREVENT FOULING.

Emission Source/Control: ES011 - Combustion

Design Capacity: 255 million Btu per hour

**Item 69.38:**

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

Emission Unit: U-CT0S1

Process: P22

Source Classification Code: 2-01-001-02

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2 DISTILLATE OIL IN A DIESEL ENGINE. THIS ENGINE IS USED TO START THE ASSOCIATED COMBUSTION TURBINE. DURING EACH START-UP THE ENGINE OPERATES FOR LESS THAN 15

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**Facility DEC ID: 2630400024**



MINUTES.

Emission Source/Control: ES0S1 - Combustion  
Design Capacity: 430 horsepower (mechanical)

**Item 69.39:**

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

Emission Unit: U-CT0S1

Process: P23

Source Classification Code: 2-02-009-02

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1  
DISTILLATE OIL IN A DIESEL ENGINE. THIS  
ENGINE IS USED TO START THE ASSOCIATED  
COMBUSTION TURBINE. DURING EACH START-UP  
THE ENGINE OPERATES FOR LESS THAN 15  
MINUTES.

Emission Source/Control: ES0S1 - Combustion  
Design Capacity: 430 horsepower (mechanical)

**Item 69.40:**

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

Emission Unit: U-CT0S4

Process: P27

Source Classification Code: 2-02-001-02

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2  
DISTILLATE OIL IN A DIESEL ENGINE. THIS  
ENGINE IS USED TO START THE ASSOCIATED

d COMBUSTION TURBINE. DURING EACH START-UP  
THE ENGINE OPERATES FOR LESS THAN 15  
MINUTES.

Emission Source/Control: ES0S4 - Combustion  
Design Capacity: 430 horsepower (mechanical)

**Item 69.41:**

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

Emission Unit: U-CT0S4

Process: P28

Source Classification Code: 2-02-009-02

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1  
DISTILLATE OIL IN A DIESEL ENGINE. THIS  
ENGINE IS USED TO START THE ASSOCIATED

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COMBUSTION TURBINE. DURING EACH START-UP  
THE ENGINE OPERATES FOR LESS THAN 15  
MINUTES.

Emission Source/Control: ES0S4 - Combustion  
Design Capacity: 430 horsepower (mechanical)

**Item 69.42:**

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

Emission Unit: U-CT0S5

Process: P32

Source Classification Code: 2-02-001-02

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2  
DISTILLATE OIL IN A DIESEL ENGINE. THIS  
ENGINE IS USED TO START THE ASSOCIATED  
COMBUSTION TURBINE. DURING EACH START-UP  
THE ENGINE OPERATES FOR LESS THAN 15  
MINUTES.

Emission Source/Control: ES0S5 - Combustion  
Design Capacity: 430 horsepower (mechanical)

**Item 69.43:**

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

Emission Unit: U-CT0S5

Process: P33

Source Classification Code: 2-02-009-02

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1  
DISTILLATE OIL IN A DIESEL ENGINE. THIS  
ENGINE IS USED TO START THE ASSOCIATED  
COMBUSTION TURBINE. DURING EACH START-UP  
THE ENGINE OPERATES FOR LESS THAN 15  
MINUTES.

Emission Source/Control: ES0S5 - Combustion  
Design Capacity: 430 horsepower (mechanical)

**Item 69.44:**

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

Emission Unit: U-CT0S6

Process: P37

Source Classification Code: 2-02-001-02

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2  
DISTILLATE OIL IN A DIESEL ENGINE. THIS  
ENGINE IS USED TO START THE ASSOCIATED

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COMBUSTION TURBINE. DURING EACH START-UP  
THE ENGINE OPERATES FOR LESS THAN 15  
MINUTES.

Emission Source/Control: ES0S6 - Combustion  
Design Capacity: 430 horsepower (mechanical)

**Item 69.45:**

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

Emission Unit: U-CT0S6

Process: P38

Source Classification Code: 2-02-009-02

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1  
DISTILLATE OIL IN A DIESEL ENGINE. THIS  
ENGINE IS USED TO START THE ASSOCIATED  
COMBUSTION TURBINE. DURING EACH START-UP  
THE ENGINE OPERATES FOR LESS THAN 15  
MINUTES.

Emission Source/Control: ES0S6 - Combustion  
Design Capacity: 430 horsepower (mechanical)

**Item 69.46:**

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

Emission Unit: U-CT0S7

Process: P42

Source Classification Code: 2-02-001-02

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2  
DISTILLATE OIL IN A DIESEL ENGINE. THIS  
ENGINE IS USED TO START THE ASSOCIATED  
COMBUSTION TURBINE. DURING EACH START-UP  
THE ENGINE OPERATES FOR LESS THAN 15  
MINUTES.

Emission Source/Control: ES0S7 - Combustion  
Design Capacity: 430 horsepower (mechanical)

**Item 69.47:**

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

Emission Unit: U-CT0S7

Process: P43

Source Classification Code: 2-02-009-02

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1  
DISTILLATE OIL IN A DIESEL ENGINE. THIS  
ENGINE IS USED TO START THE ASSOCIATED

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COMBUSTION TURBINE. DURING EACH START-UP  
THE ENGINE OPERATES FOR LESS THAN 15  
MINUTES.

Emission Source/Control: ES0S7 - Combustion  
Design Capacity: 430 horsepower (mechanical)

**Item 69.48:**

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

Emission Unit: U-CT201

Process: P56

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE NATURAL GAS IN  
A COMBUSTION TURBINE. Inlet water spray may be utalized  
for NOx reduction, as required. Throughputs listed under  
each process are intended to be examples of possible unit  
utilization. Actual operation to be in accordance with  
the emission limitations identified in the Emission Unit  
portion of this permit.

Emission Source/Control: ES21A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES21B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.49:**

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

Emission Unit: U-CT201

Process: P57

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2  
DISTILLATE OIL IN A COMBUSTION TURBINE. IN  
ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE  
MAY BE MIXED WITH THE DISTILLATE OIL PRIOR  
TO COMBUSTION. IN ADDITION, WHEN FUEL OIL  
IS STORED FOR EXTENDED PERIODS, A BIOCID  
MAY BE ADDED TO PREVENT FOULING. Inlet  
water spray may be utilized for NOx  
reduction, as required. Throughputs  
listed under each process are intended to  
be examples of possible unit utilization.  
Actual operation to be in accordance with  
the emission limitations identified in the  
Emission Unit portion of this permit.



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Emission Source/Control: ES21A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES21B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.50:**

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

Emission Unit: U-CT201

Process: P58

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES MAY BE ADDED TO PREVENT FOULING. Inlet water spray may be utilized for NO<sub>x</sub> reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES21A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES21B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.51:**

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

Emission Unit: U-CT202

Process: P59

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE NATURAL GAS IN A COMBUSTION TURBINE. Inlet water spray may be utilized for NO<sub>x</sub> reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES22A - Combustion



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Design Capacity: 262 million Btu per hour

Emission Source/Control: ES22B - Combustion

Design Capacity: 262 million Btu per hour

**Item 69.52:**

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

Emission Unit: U-CT202

Process: P60

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES MAY BE ADDED TO PREVENT FOULING. Inlet water spray may be utilized for NOx reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES22A - Combustion

Design Capacity: 262 million Btu per hour

Emission Source/Control: ES22B - Combustion

Design Capacity: 262 million Btu per hour

**Item 69.53:**

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

Emission Unit: U-CT202

Process: P61

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES MAY BE ADDED TO PREVENT FOULING. Inlet water spray may be utilized for NOx reduction, as required. Throughputs listed under each process are intended to

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be examples of possible unit utilization.  
Actual operation to be in accordance with  
the emission limitations identified in the  
Emission Unit portion of this permit.

Emission Source/Control: ES22A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES22B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.54:**

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

Emission Unit: U-CT203

Process: P62

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE NATURAL GAS IN A COMBUSTION TURBINE. Inlet water spray may be utilized for NO<sub>x</sub> reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES23A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES23B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.55:**

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

Emission Unit: U-CT203

Process: P63

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES MAY BE ADDED TO PREVENT FOULING. Inlet water spray may be utilized for NO<sub>x</sub> reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization.



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Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES23A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES23B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.56:**

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

Emission Unit: U-CT203

Process: P64

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES MAY BE ADDED TO PREVENT FOULING. Inlet water spray may be utilized for NO<sub>x</sub> reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES23A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES23B - Combustion  
Design Capacity: 262 million Btu per hour

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**Item 69.57:**

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

Emission Unit: U-CT204

Process: P65

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE NATURAL GAS IN A COMBUSTION TURBINE. Inlet water spray may be utilized for NO<sub>x</sub> reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with

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the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES24A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES24B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.58:**

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

Emission Unit: U-CT204

Process: P66

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES MAY BE ADDED TO PREVENT FOULING. Inlet water spray may be utilized for NOx reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES24A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES24B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.59:**

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

Emission Unit: U-CT204

Process: P67

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES

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MAY BE ADDED TO PREVENT FOULING. Inlet water spray may be utilized for NOx reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES24A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES24B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.60:**

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

Emission Unit: U-CT301

Process: P68

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE NATURAL GAS IN A COMBUSTION TURBINE. Inlet water spray may be utilized for NOx reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES31A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES31B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.61:**

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

Emission Unit: U-CT301

Process: P69

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES MAY BE ADDED TO PREVENT FOULING. Inlet



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water spray may be utilized for NOx reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES31A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES31B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.62:**

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

Emission Unit: U-CT301

Process: P70

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES MAY BE ADDED TO PREVENT FOULING. Inlet water spray may be utilized for NOx reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES31A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES31B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.63:**

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

Emission Unit: U-CT302

Process: P71

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE NATURAL GAS IN

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A COMBUSTION TURBINE. Inlet water spray may be utilized for NOx reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES32A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES32B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.64:**

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

Emission Unit: U-CT302

Process: P72

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES MAY BE ADDED TO PREVENT FOULING. Inlet water spray may be utilized for NOx reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES32A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES32B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.65:**

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

Emission Unit: U-CT302

Process: P73

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1 DISTILLATE OIL IN A COMBUSTION TURBINE. IN

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ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES MAY BE ADDED TO PREVENT FOULING. Inlet water spray may be utilized for NOx reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES32A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES32B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.66:**

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

Process: P74

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE NATURAL GAS IN A COMBUSTION TURBINE. Inlet water spray may be utilized for NOx reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES33A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES33B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.67:**

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

Emission Unit: U-CT303

Process: P75

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE

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MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDE MAY BE ADDED TO PREVENT FOULING. Inlet water spray may be utilized for NOx reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES33A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES33B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.68:**

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

Emission Unit: U-CT303

Process: P76

Source Classification Code: 2-01-009-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #1 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDE MAY BE ADDED TO PREVENT FOULING. Inlet water spray may be utilized for NOx reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES33A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES33B - Combustion  
Design Capacity: 262 million Btu per hour

**Item 69.69:**

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



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Emission Unit: U-CT304

Process: P77

Source Classification Code: 2-01-002-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF PIPELINE NATURAL GAS IN A COMBUSTION TURBINE. Inlet water spray may be utilized for NO<sub>x</sub> reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES34A - Combustion

Design Capacity: 262 million Btu per hour

Emission Source/Control: ES34B - Combustion

Design Capacity: 262 million Btu per hour

**Item 69.70:**

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

Emission Unit: U-CT304

Process: P78

Source Classification Code: 2-01-001-01

Process Description:

THIS PROCESS IS THE COMBUSTION OF #2 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES MAY BE ADDED TO PREVENT FOULING. Inlet water spray may be utilized for NO<sub>x</sub> reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES34A - Combustion

Design Capacity: 262 million Btu per hour

Emission Source/Control: ES34B - Combustion

Design Capacity: 262 million Btu per hour

**Item 69.71:**

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

Emission Unit: U-CT304

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Process: P79

Source Classification Code: 2-01-009-01

**Process Description:**

THIS PROCESS IS THE COMBUSTION OF #1 DISTILLATE OIL IN A COMBUSTION TURBINE. IN ORDER TO IMPROVE COMBUSTION A FUEL ADDITIVE MAY BE MIXED WITH THE DISTILLATE OIL PRIOR TO COMBUSTION. IN ADDITION, WHEN FUEL OIL IS STORED FOR EXTENDED PERIODS, A BIOCIDES MAY BE ADDED TO PREVENT FOULING. Inlet water spray may be utilized for NOx reduction, as required. Throughputs listed under each process are intended to be examples of possible unit utilization. Actual operation to be in accordance with the emission limitations identified in the Emission Unit portion of this permit.

Emission Source/Control: ES34A - Combustion  
Design Capacity: 262 million Btu per hour

Emission Source/Control: ES34B - Combustion  
Design Capacity: 262 million Btu per hour

**Condition 70: Emission Unit Permissible Emissions  
Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 231-2.**

**Item 70.1:**

The sum of emissions from all regulated processes specified in this permit for the emission unit cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00010

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 391 pounds per hour  
2,363,236 pounds per year

Emission Unit: U-00020

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 388 pounds per hour  
2,344,686 pounds per year

Emission Unit: U-00030

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CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 872 pounds per hour  
5,272,311 pounds per year

Emission Unit: U-CT001

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 26.7 pounds per hour  
234,155 pounds per year

Emission Unit: U-CT004

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 48.4 pounds per hour  
424,072 pounds per year

Emission Unit: U-CT005

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 48.4 pounds per hour  
424,072 pounds per year

Emission Unit: U-CT006

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 48.4 pounds per hour  
424,072 pounds per year

Emission Unit: U-CT007

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 48.4 pounds per hour  
424,072 pounds per year

Emission Unit: U-CT008

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 52.5 pounds per hour  
460,163 pounds per year

Emission Unit: U-CT009



CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 52.5 pounds per hour  
460,163 pounds per year

Emission Unit: U-CT010

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 52.5 pounds per hour  
460,163 pounds per year

Emission Unit: U-CT011

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 52.5 pounds per hour  
460,163 pounds per year

Emission Unit: U-CT0S1

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 6.3 pounds per hour  
249 pounds per year

Emission Unit: U-CT0S4

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 6.3 pounds per hour  
249 pounds per year

Emission Unit: U-CT0S5

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 6.3 pounds per hour  
249 pounds per year

Emission Unit: U-CT0S6

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 6.3 pounds per hour  
249 pounds per year

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Emission Unit: U-CT0S7

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 6.3 pounds per hour  
249 pounds per year

Emission Unit: U-CT201

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 107.9 pounds per hour  
117,443 pounds per year

Emission Unit: U-CT202

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 107.9 pounds per hour  
117,443 pounds per year

Emission Unit: U-CT203

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 107.9 pounds per hour  
117,443 pounds per year

Emission Unit: U-CT204

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 107.9 pounds per hour  
117,443 pounds per year

Emission Unit: U-CT301

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 107.9 pounds per hour  
117,443 pounds per year

Emission Unit: U-CT302

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 107.9 pounds per hour  
117,443 pounds per year



Emission Unit: U-CT303

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 107.9 pounds per hour  
117,443 pounds per year

Emission Unit: U-CT304

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 107.9 pounds per hour  
117,443 pounds per year

**Condition 71: Process Permissible Emissions**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 231-2.**

**Item 71.1:**

The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00010      Process: P01

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 145 pounds per hour  
1,270,532 pounds per year

Emission Unit: U-00010      Process: P02

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 101 pounds per hour  
883,848 pounds per year

Emission Unit: U-00010      Process: P03

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 145 pounds per hour  
208,854 pounds per year

Emission Unit: U-00020      Process: P05



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CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 144 pounds per hour  
1,260,559 pounds per year

Emission Unit: U-00020 Process: P06

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 100 pounds per hour  
876,000 pounds per year

Emission Unit: U-00020 Process: P07

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 144 pounds per hour  
207,215 pounds per year

Emission Unit: U-00030 Process: P09

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 324 pounds per hour  
2,834,521 pounds per year

Emission Unit: U-00030 Process: P10

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 225 pounds per hour  
1,971,841 pounds per year

Emission Unit: U-00030 Process: P11

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 324 pounds per hour  
465,948 pounds per year

Emission Unit: U-CT001 Process: P21

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 26.7 pounds per hour  
234,155 pounds per year

Emission Unit: U-CT004 Process: P24



CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 11.3 pounds per hour  
98,813 pounds per year

Emission Unit: U-CT004                      Process: P25

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 11.3 pounds per hour  
98,813 pounds per year

Emission Unit: U-CT004                      Process: P26

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.8 pounds per hour  
226,446 pounds per year

Emission Unit: U-CT005                      Process: P29

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 11.3 pounds per hour  
98,813 pounds per year

Emission Unit: U-CT005                      Process: P30

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 11.3 pounds per hour  
98,813 pounds per year

Emission Unit: U-CT005                      Process: P31

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.8 pounds per hour  
226,446 pounds per year

Emission Unit: U-CT006                      Process: P34

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 11.3 pounds per hour  
98,813 pounds per year

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Emission Unit: U-CT006 Process: P35

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 11.3 pounds per hour  
98,813 pounds per year

Emission Unit: U-CT006 Process: P36

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 25.8 pounds per hour  
226,446 pounds per year

Emission Unit: U-CT007 Process: P39

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 11.3 pounds per hour  
98,813 pounds per year

Emission Unit: U-CT007 Process: P40

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 11.3 pounds per hour  
98,813 pounds per year

Emission Unit: U-CT007 Process: P41

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 25.8 pounds per hour  
226,446 pounds per year

Emission Unit: U-CT008 Process: P44

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 28 pounds per hour  
245,718 pounds per year

Emission Unit: U-CT008 Process: P45

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 12.2 pounds per hour  
107,222 pounds per year

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Emission Unit: U-CT008                      Process: P46

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 12.2 pounds per hour  
107,222 pounds per year

Emission Unit: U-CT009                      Process: P47

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 28 pounds per hour  
245,718 pounds per year

Emission Unit: U-CT009                      Process: P48

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 12.2 pounds per hour  
107,222 pounds per year

Emission Unit: U-CT009                      Process: P49

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 12.2 pounds per hour  
107,222 pounds per year

Emission Unit: U-CT010                      Process: P50

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 28 pounds per hour  
245,718 pounds per year

Emission Unit: U-CT010                      Process: P51

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 12.2 pounds per hour  
107,222 pounds per year

Emission Unit: U-CT010                      Process: P52

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 12.2 pounds per hour

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107,222 pounds per year

Emission Unit: U-CT011 Process: P53

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 28 pounds per hour

245,718 pounds per year

Emission Unit: U-CT011 Process: P54

CAS No: 000630-08-0p0

Name: CARBON MONOXIDE

PTE(s): 12.2 pounds per hour

107,222 pounds per year

Emission Unit: U-CT011 Process: P55

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 12.2 pounds per hour

107,222 pounds per year

Emission Unit: U-CT0S1 Process: P22

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 3.1 pounds per hour

12.5 pounds per year

Emission Unit: U-CT0S1 Process: P23

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 3.1 pounds per hour

125 pounds per year

Emission Unit: U-CT0S4 Process: P27

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 3.1 pounds per hour

125 pounds per year

Emission Unit: U-CT0S4 Process: P28

CAS No: 000630-08-0

Name: CARBON MONOXIDE

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PTE(s): 3.1 pounds per hour  
125 pounds per year

Emission Unit: U-CT0S5 Process: P32

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 3.1 pounds per hour  
125 pounds per year

Emission Unit: U-CT0S5 Process: P33

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 3.1 pounds per hour  
125 pounds per year

Emission Unit: U-CT0S6 Process: P37

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 3.1 pounds per hour  
125 pounds per year

Emission Unit: U-CT0S6 Process: P38

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 3.1 pounds per hour  
125 pounds per year

Emission Unit: U-CT0S7 Process: P42

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 3.1 pounds per hour  
125 pounds per year

Emission Unit: U-CT0S7 Process: P43

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 3.1 pounds per hour  
125 pounds per year

Emission Unit: U-CT201 Process: P56

CAS No: 000630-08-0

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Name: CARBON MONOXIDE  
PTE(s): 57.6 pounds per hour  
62,712 pounds per year

Emission Unit: U-CT201                      Process: P57

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.2 pounds per hour  
27,365 pounds per year

Emission Unit: U-CT201                      Process: P58

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.2 pounds per hour  
27,365 pounds per year

Emission Unit: U-CT202                      Process: P59

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
abPTE(s): 57.6 pounds per hour  
62,712 pounds per year

Emission Unit: U-CT202                      Process: P60

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.2 pounds per hour  
27,365 pounds per year

Emission Unit: U-CT202                      Process: P61

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.2 pounds per hour  
37,365 pounds per year

Emission Unit: U-CT203                      Process: P62

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 57.6 pounds per hour  
62,712 pounds per year

Emission Unit: U-CT203                      Process: P63



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CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.2 pounds per hour  
27,365 pounds per year

Emission Unit: U-CT203 Process: P64

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.2 pounds per hour  
27,365 pounds per year

Emission Unit: U-CT204 Process: P65

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 57.6 pounds per hour  
62,712 pounds per year

Emission Unit: U-CT204 Process: P66

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.2 pounds per hour  
27,365 pounds per year

Emission Unit: U-CT204 Process: P67

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.2 pounds per hour  
27,365 pounds per year

Emission Unit: U-CT301 Process: P68

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 57.6 pounds per hour  
62,712 pounds per year

Emission Unit: U-CT301 Process: P69

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.2 pounds per hour  
27,365 pounds per year

Emission Unit: U-CT301 Process: P70



CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.2 pounds per hour  
27,365 pounds per year

Emission Unit: U-CT302                      Process: P71

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 57.6 pounds per hour  
62,712 pounds per year

Emission Unit: U-CT302                      Process: P72

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.2 pounds per hour  
23,365 pounds per year

Emission Unit: U-CT302                      Process: P73

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.2 pounds per hour  
27,365 pounds per year

Emission Unit: U-CT303                      Process: P74

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 57.6 pounds per hour  
n0                      62,712 pounds per year

Emission Unit: U-CT303                      Process: P75

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.2 pounds per hour  
27,365 pounds per year

Emission Unit: U-CT303                      Process: P76

CAS No: 000630-08-0  
Name: CARBON MONOXIDE  
PTE(s): 25.2 pounds per hour  
27,365 pounds per year



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**Facility DEC ID: 2630400024**

Emission Unit: U-CT304 Process: P77

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 57.6 pounds per hour

62,712 pounds per year

Emission Unit: U-CT304 Process: P78

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 25.2 pounds per hour

27,365 pounds per year

Emission Unit: U-CT304 Process: P79

CAS No: 000630-08-0

Name: CARBON MONOXIDE

PTE(s): 25.2 pounds per hour

27,365 pounds per year

**Condition 72: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 72.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 72.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular boilers or multiple boilers ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA REF METHOD 5



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**Facility DEC ID: 2630400024**

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 73: Testing, monitoring, and reporting requirements for very large boilers.**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 73.1:**

This Condition applies to Emission Unit: U-00010

**Item 73.2:**

The owner/operator shall measure NO<sub>x</sub> emissions with a continuous emissions monitoring system (CEMS) as described in 6NYCRR 227-2.6(b).

**Condition 74: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 74.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

**Item 74.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Budget sources not using certified flow monitors: NO<sub>x</sub> emissions in lbs/hr shall be determined by multiplying together the figures resulting from application of the following:

(i) the NO<sub>x</sub> emission rate in lbs/mmBtu determined by using the procedures set forth in 40 CFR 75 appendix F, section 3; and

(ii) the hourly heat input in mmBtu/hr determined by using the procedures set forth in 40 CFR 75 appendix D.

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 75: Compliance Certification**



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**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.4(b)**

**Item 75.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00010 Emission Point: 00010

**Item 75.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:

- 1) Magnitude, date, and time of each exceedence;
- 2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- 3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of downtime;
- 4) Total time the COMS is required to record data during the reporting period;
- 5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time in which the COMS are required to record data; and
- 6) Such other requirements as the Department may deem necessary in order to enforce Article 19 of the Environmental Conservation Law (ECL).

The excess emission reports are due sixty (60) days after the end of each calendar quarter (January - March, April - June, July - September, October - December).

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 76: Compliance Certification**



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**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 76.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00020

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 76.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular boilers or multiple boilers ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA REF METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 77: Testing, monitoring, and reporting requirements for very large boilers.**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 77.1:**

This Condition applies to Emission Unit: U-00020

**Item 77.2:**

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

**Condition 78: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

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**Item 78.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00020

**Item 78.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 79: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.4(b)**

**Item 79.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00020 Emission Point: 00020

**Item 79.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:

- 1) Magnitude, date, and time of each exceedence;
- 2) For each period of excess emissions, specific

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identification of the cause and corrective action taken;

0

3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of downtime;

4) Total time the COMS is required to record data during the reporting period;

5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time in which the COMS are required to record data; and

6) Such other requirements as the Department may deem necessary in order to enforce Article 19 of the Environmental Conservation Law (ECL).

The excess emission reports are due sixty (60) days after the end of each calendar quarter (January - March, April - June, July - September, October - December).

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 80: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 80.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00030

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 80.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular boilers or multiple boilers ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250

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mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA REF METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 81: Testing, monitoring, and reporting requirements for very large boilers.**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 81.1:**

This Condition applies to Emission Unit: U-00030

**Item 81.2:**

The owner/operator shall measure NO<sub>x</sub> emissions with a continuous emissions monitoring system (CEMS) as described in 6NYCRR 227-2.6(b).

**Condition 82: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 82.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00030

**Item 82.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Budget sources not using certified flow monitors: NO<sub>x</sub> emissions in lbs/hr shall be determined by multiplying together the figures resulting from application of the following:

- (i) the NO<sub>x</sub> emission rate in lbs/mmBtu determined by using the procedures set forth in 40 CFR 75 appendix F, section 3; and
- (ii) the hourly heat input in mmBtu/hr determined by using the procedures set forth in 40 CFR 75 appendix D.



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Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 83: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.4(b)**

**Item 83.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00030 Emission Point: 00030

**Item 83.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:

- 1) Magnitude, date, and time of each exceedence;
- 2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- 3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of downtime;
- 4) Total time the COMS is required to record data during the reporting period;
- 5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time in which the COMS are required to record data; and
- 6) Such other requirements as the Department may deem necessary in order to enforce Article 19 of the Environmental Conservation Law (ECL).

The excess emission reports are due sixty (60) days after the end of each calendar quarter (January - March, April - June, July - September, October - December).

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Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 84: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 84.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT001

**Item 84.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:



- (a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;
  - (b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NOx emissions; and
  - (c) Alternative uncontrolled emission rates to be used to calculate NOx emissions during periods when control equipment is not being used or is inoperable.
- (vi) The following documentation regarding heat input determination, as appropriate:
- (a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;
  - (b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and
  - (c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.
- (vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NOx emission rate in lbs/mmBtu using one of the following methods:

- (i) Implementing monitoring in accordance with 40 CFR Part 75;
- (ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to

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report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

- (1) 0.7 lb/mmBtu if gas fired;
- (2) 1.2 lbs/mmBtu if oil fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section

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(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NO<sub>x</sub> emissions in lbs/hr by multiplying the NO<sub>x</sub> emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 85: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 85.1:**

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The Compliance Certification activity will be performed for:

Emission Unit: U-CT004

**Item 85.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the abmonitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during

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development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NOx emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NOx emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NOx emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250

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mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

- (1) 0.7 lb/mmBtu if gas fired;
- (2) 1.2 lbs/mmBtu if oil fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and

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calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NO<sub>x</sub> emissions in lbs/hr by multiplying the NO<sub>x</sub> emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 86: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 86.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT005

**Item 86.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not

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subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

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- (a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;
  - (b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and
  - (c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.
- (vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.
- (2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:
- (i) Implementing monitoring in accordance with 40 CFR Part 75;
  - (ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;
  - (iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:
    - (a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;
    - (b) For a combustion turbine, a default emission factor as follows:

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- (1) 0.7 lb/mmBtu if gas fired;
- (2) 1.2 lbs/mmBtu if oil fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative

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methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

- (4) Determining the NOx emissions in lbs/hr by multiplying the NOx emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 87: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 87.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT006

**Item 87.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

- (1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

- (i) A description of the monitoring approach to be used;

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(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.



(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document.

ØAny time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

(1) 0.7 lb/mmBtu if gas fired;

(2) 1.2 lbs/mmBtu if oil fired; or

(3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

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- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance

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Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NO<sub>x</sub> emissions in lbs/hr by multiplying the NO<sub>x</sub> emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 88: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 88.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT007

**Item 88.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

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(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:

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- (i) Implementing monitoring in accordance with 40 CFR Part 75;
- (ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;
- (iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:
  - (a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;
  - (b) For a combustion turbine, a default emission factor as follows:
    - (1) 0.7 lb/mmBtu if gas fired;
    - (2) 1.2 lbs/mmBtu if oil fired; or
    - (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.
  - (c) For a boiler, a default emission factor as follows:
    - (1) 2 lbs/mmBtu if oil fired,
    - (2) 1.5 lbs/mmBtu if gas fired; or
    - (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.
- (iv) any other method authorized in the Guidance Document and approved by the Department.
- (3) Determining heat input rate using one of the following

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methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

$$\text{Hourly heat input} = (\text{Hourly electrical load} \times \text{Total heat input}) / \text{Total electrical load}$$

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NO<sub>x</sub> emissions in lbs/hr by multiplying the NO<sub>x</sub> emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING

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DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 89: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 89.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT008

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 89.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular gas turbines or multiple gas turbines ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA REF METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 90: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 90.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT008

**Item 90.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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**Monitoring Description:**

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input



determination, as appropriate:

- (a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;
- (b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and
- (c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:

- (i) Implementing monitoring in accordance with 40 CFR Part 75;
- (ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;
- (iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

- (a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;
- (b) For a combustion turbine, a default emission factor as



follows:

- (1) 0.7 lb/mmBtu if gas fired;
- (2) 1.2 lbs/mmBtu if oil fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

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(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than

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oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NOx emissions in lbs/hr by multiplying the NOx emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 91: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 91.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT009

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 91.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular gas turbines or multiple gas turbines ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.



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Parameter Monitored: PARTICULATES  
Upper Limit of Monitoring: 0.1 pounds per million Btus  
Reference Test Method: EPA REF METHOD 5  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 92: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 92.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT009

**Item 92.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

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(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60

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monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

- (1) 0.7 lb/mmBtu if gas fired;
- (2) 1.2 lbs/mmBtu if oil fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

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- (a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;
- (b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;
- (c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

- (d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

- (4) Determining the NO<sub>x</sub> emissions in lbs/hr by multiplying the NO<sub>x</sub> emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 93: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

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**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 93.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT010

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 93.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular gas turbines or multiple gas turbines ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA REF METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 94: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 94.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT010

**Item 94.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

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(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

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(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

(1) 0.7 lb/mmBtu if gas fired;

(2) 1.2 lbs/mmBtu if oil fired; or

(3) the source specific maximum potential NO<sub>x</sub> emission



rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

0      
$$\text{Hourly heat input} = (\text{Hourly electrical load} \times \text{Total heat input}) / \text{Total electrical load}$$

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

(1) Conducting fuel sampling and analysis and monitoring

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fuel usage;

(2) Using boiler efficiency curves and other monitored information such as boiler steam output; and  
(3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NOx emissions in lbs/hr by multiplying the NOx emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 95: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 95.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT011

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 95.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular gas turbines or multiple gas turbines ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA REF METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 96: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 96.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT011

**Item 96.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate

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including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NOx emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NOx emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NOx emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall

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be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

- (a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;
- (b) For a combustion turbine, a default emission factor as follows:

- (1) 0.7 lb/mmBtu if gas fired;
- (2) 1.2 lbs/mmBtu if oil fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

- (c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

- (a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;
- (b) For a budget source that combusts only oil or natural



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gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NO<sub>x</sub> emissions in lbs/hr by multiplying the NO<sub>x</sub> emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 97: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 97.1:**

The Compliance Certification activity will be performed for:

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Emission Unit: U-CT0S1

**Item 97.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate

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NOx emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NOx emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NOx emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following

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methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

- (a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;
- (b) For a combustion turbine, a default emission factor as follows:

- (1) 0.7 lb/mmBtu if gas fired;
- (2) 1.2 lbs/mmBtu if oil fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

- (c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

- (iv) any other method authorized in the Guidance Document and approved by the Department.

- (3) Determining heat input rate using one of the following methods:

- (i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

- (a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

- (b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

- (c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in

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accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NO<sub>x</sub> emissions in lbs/hr by multiplying the NO<sub>x</sub> emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 98: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 98.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT0S4

**Item 98.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

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(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to

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determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

(1) 0.7 lb/mmBtu if gas fired;

(2) 1.2 lbs/mmBtu if oil fired; or

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(3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:



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- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

- (4) Determining the NOx emissions in lbs/hr by multiplying the NOx emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 99: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 99.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT0S5

**Item 99.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

- (1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial

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numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

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(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

(1) 0.7 lb/mmBtu if gas fired;

(2) 1.2 lbs/mmBtu if oil fired; or

(3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

(1) 2 lbs/mmBtu if oil fired,

(2) 1.5 lbs/mmBtu if gas fired; or

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(3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

(1) Conducting fuel sampling and analysis and monitoring fuel usage;

(2) Using boiler efficiency curves and other monitored information such as boiler steam output; and

(3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy,



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and quality assurance testing as accepted by the Department.

(4) Determining the NOx emissions in lbs/hr by multiplying the NOx emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 100: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 100.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT0S6

**Item 100.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy



was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

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(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

- (1) 0.7 lb/mmBtu if gas fired;
- (2) 1.2 lbs/mmBtu if oil fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:



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(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

(1) Conducting fuel sampling and analysis and monitoring fuel usage;

(2) Using boiler efficiency curves and other monitored information such as boiler steam output; and

(3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NO<sub>x</sub> emissions in lbs/hr by multiplying the NO<sub>x</sub> emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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**Condition 101: Compliance Certification**

Effective between the dates of 06/14/2001 and 06/13/2006

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 101.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT0S7

**Item 101.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel

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usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NOx emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NOx emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NOx emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75

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Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

- (1) 0.7 lb/mmBtu if gas fired;
- (2) 1.2 lbs/mmBtu if oil fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the

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requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NO<sub>x</sub> emissions in lbs/hr by multiplying the NO<sub>x</sub> emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 102: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 102.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT201

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Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 102.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular gas turbines or multiple gas turbines ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA REF METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 103: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 103.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT201

**Item 103.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

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(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.



(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

(1) 0.7 lb/mmBtu if gas fired;

(2) 1.2 lbs/mmBtu if oil fired; or

(3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

(1) 2 lbs/mmBtu if oil fired,

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- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

$$\text{Hourly heat input} = (\text{Hourly electrical load} \times \text{Total heat input}) / \text{Total electrical load}$$

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be

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subject to both initial and periodic relative accuracy,  
and quality assurance testing as accepted by the  
Department.

(4) Determining the NOx emissions in lbs/hr by multiplying  
the NOx emission rate and heat input rate figures  
together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 104: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 231-2.**

**Item 104.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT201 Emission Point: CT201

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

**Item 104.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Emission Unit operates with an air inlet water spray system which reduces the emissions of oxides of nitrogen but increases the emissions of carbon monoxide. In order to cap out of the requirements of 6 NYCRR Part 231-2 for carbon monoxide, the Emission Unit will be limited to 3,463 hours of operation during any rolling 365 day period. The operational status of the Emission Unit is continuously monitored. Each hour, or portion of hour, during which the Unit is in operation is automatically recorded in an electronic database, which will be available for inspection. The 365 day rolling total hours of operation report is prepared from this database and will be forwarded to the Department by 60 days following the end of each quarter. The operation of the spray system is on an as needed basis.

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Monitoring Frequency: HOURLY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 105: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 105.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT202

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 105.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular gas turbines or multiple gas turbines ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA REF METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 106: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 106.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT202

**Item 106.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control equipment is not being used or is inoperable.

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(vi) The following documentation regarding heat input determination, as appropriate:

- (a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;
- (b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and
- (c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:

- (i) Implementing monitoring in accordance with 40 CFR Part 75;
- (ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;
- (iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

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(b) For a combustion turbine, a default emission factor as follows:

- (1) 0.7 lb/mmBtu if gas fired;
- (2) 1.2 lbs/mmBtu if oil fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

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(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NOx emissions in lbs/hr by multiplying the NOx emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 107: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 231-2.**

**Item 107.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT202 Emission Point: CT202

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

**Item 107.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Emission Unit operates with an air inlet water spray system which reduces the emissions of oxides of nitrogen but increases the emissions of carbon monoxide. In order



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to cap out of the requirements of 6 NYCRR Part 231-2 for carbon monoxide, the Emission Unit will be limited to 3,463 hours of operation during any rolling 365 day period. The operational status of the Emission Unit is continuously monitored. Each hour, or portion of hour, during which the Unit is in operation is automatically recorded in an electronic database, which will be available for inspection. The 365 day rolling total hours of operation report is prepared from this database and will be forwarded to the Department by 60 days following the end of each quarter. The operation of the spray system is on an as needed basis.

Monitoring Frequency: HOURLY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 108: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 108.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT203

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 108.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular gas turbines or multiple gas turbines ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA REF METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



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**Condition 109: Compliance Certification**

Effective between the dates of 06/14/2001 and 06/13/2006

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 109.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT203

**Item 109.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission

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testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NOx emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NOx emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NOx emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone

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initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

- (1) 0.7 lb/mmBtu if gas fired;
- (2) 1.2 lbs/mmBtu if oil fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the

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procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NO<sub>x</sub> emissions in lbs/hr by multiplying the NO<sub>x</sub> emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 110: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 231-2.**

**Item 110.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT203 Emission Point: CT203

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Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

**Item 110.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Emission Unit operates with an air inlet water spray system which reduces the emissions of oxides of nitrogen but increases the emissions of carbon monoxide. In order to cap out of the requirements of 6 NYCRR Part 231-2 for carbon monoxide, the Emission Unit will be limited to 3,463 hours of operation during any rolling 365 day period. The operational status of the Emission Unit is continuously monitored. Each hour, or portion of hour, during which the Unit is in operation is automatically recorded in an electronic database, which will be available for inspection. The 365 day rolling total hours of operation report is prepared from this database and will be forwarded to the Department within 60 days following the end of each quarter. The operation of the spray system is on an as needed basis.

Monitoring Frequency: HOURLY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 111: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 111.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT204

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 111.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING



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**Monitoring Description:**

Particulate emission limit for singular gas turbines or multiple gas turbines ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA REF METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 112: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 112.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT204

**Item 112.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

**Monitoring Description:**

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

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(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:

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(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

- (1) 0.7 lb/mmBtu if gas fired;
- (2) 1.2 lbs/mmBtu if oil fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following

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methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- 0
- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
  - (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
  - (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NO<sub>x</sub> emissions in lbs/hr by multiplying the NO<sub>x</sub> emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING

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DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 113: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 231-2.**

**Item 113.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT204 Emission Point: CT204

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

**Item 113.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Emission Unit operates with an air inlet water spray system which reduces the emissions of oxides of nitrogen but increases the emissions of carbon monoxide. In order to cap out of the requirements of 6 NYCRR Part 231-2 for carbon monoxide, the Emission Unit will be limited to 3,463 hours of operation during any rolling 365 day period. The operational status of the Emission Unit is continuously monitored. Each hour, or portion of hour, during which the Unit is in operation is automatically recorded in an electronic database, which will be available for inspection. The 365 day rolling total hours of operation report is prepared from this database and will be forwarded to the Department within 60 days following the end of each quarter. The operation of the spray system is on an as needed basis.

Monitoring Frequency: HOURLY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 114: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

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**Item 114.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT301

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 114.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular gas turbines or multiple gas turbines ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA REF METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 115: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 115.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT301

**Item 115.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as



appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

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(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

(1) 0.7 lb/mmBtu if gas fired;

(2) 1.2 lbs/mmBtu if oil fired; or

(3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

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(c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and

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(3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NOx emissions in lbs/hr by multiplying the NOx emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 116: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 231-2.**

**Item 116.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT301 Emission Point: CT301

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

**Item 116.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Emission Unit operates with an air inlet water spray system which reduces the emissions of oxides of nitrogen but increases the emissions of carbon monoxide. In order to cap out of the requirements of 6 NYCRR Part 231-2 for carbon monoxide, the Emission Unit will be limited to 3,463 hours of operation during any rolling 365 day period. The operational status of the Emission Unit is continuously monitored. Each hour, or portion of hour, during which the Unit is in operation is automatically recorded in an electronic database, which will be available for inspection. The 365 day rolling total hours of operation report is prepared from this database and



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will be forwarded to the Department within 60 days following the end of each quarter. The operation of the spray system is on an as needed basis.

Monitoring Frequency: HOURLY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 117: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 117.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT302

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 117.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular gas turbines or multiple gas turbines ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA REF METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 118: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 118.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT302

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**Item 118.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

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(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with

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the Guidance Document:

- (a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;
- (b) For a combustion turbine, a default emission factor as follows:

- (1) 0.7 lb/mmBtu if gas fired;
- (2) 1.2 lbs/mmBtu if oil fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

- (c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

- (iv) any other method authorized in the Guidance Document and approved by the Department.

- (3) Determining heat input rate using one of the following methods:

- (i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

- (a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

- (b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

- (c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

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Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NO<sub>x</sub> emissions in lbs/hr by multiplying the NO<sub>x</sub> emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 119: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 231-2.**

**Item 119.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT302 Emission Point: CT302

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

**Item 119.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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**Monitoring Description:**

The Emission Unit operates with an air inlet water spray system which reduces the emissions of oxides of nitrogen but increases the emissions of carbon monoxide. In order to cap out of the requirements of 6 NYCRR Part 231-2 for carbon monoxide, the Emission Unit will be limited to 3,463 hours of operation during any rolling 365 day period. The operational status of the Emission Unit is continuously monitored. Each hour, or portion of hour, during which the Unit is in operation is automatically recorded in an electronic database, which will be available for inspection. The 365 day rolling total hours of operation report is prepared from this database and will be forwarded to the Department within 60 days following the end of each quarter. The operation of the spray system is on an as needed basis.

Monitoring Frequency: HOURLY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 120: Compliance Certification**

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**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 120.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT303

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 120.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular gas turbines or multiple gas turbines ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus



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Reference Test Method: EPA REF METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 121: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 121.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT303

**Item 121.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan



shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NOx emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NOx emissions during periods when control equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NOx emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document.

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Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

- (1) 0.7 lb/mmBtu if gas fired;
- (2) 1.2 lbs/mmBtu if oil fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

- (1) 2 lbs/mmBtu if oil fired,
- (2) 1.5 lbs/mmBtu if gas fired; or
- (3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the

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procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

$$\text{Hourly heat input} = (\text{Hourly electrical load} \times \text{Total heat input}) / \text{Total electrical load}$$

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

- (1) Conducting fuel sampling and analysis and monitoring fuel usage;
- (2) Using boiler efficiency curves and other monitored information such as boiler steam output; and
- (3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy, and quality assurance testing as accepted by the Department.

(4) Determining the NO<sub>x</sub> emissions in lbs/hr by multiplying the NO<sub>x</sub> emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 122: Compliance Certification**  
**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 231-2.**



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**Permit ID: 2-6304-00024/00035**

**Facility DEC ID: 2630400024**

**Item 122.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT303 Emission Point: CT303

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

**Item 122.2:**

Compliance Certification shall include the p0following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Emission Unit operates with an air inlet water spray system which reduces the emissions of oxides of nitrogen but increases the emissions of carbon monoxide. In order to cap out of the requirements of 6 NYCRR Part 231-2 for carbon monoxide, the Emission Unit will be limited to 3,463 hours of operation during any rolling 365 day period. The operational status of the Emission Unit is continuously monitored. Each hour, or portion of hour, during which the Unit is in operation is automatically recorded in an electronic database, which will be available for inspection. The 365 day rolling total hours of operation report is prepared from this database and will be forwarded to the Department within 60 days following the end of each quarter. The operation of the spray system is on an as needed basis.

Monitoring Frequency: HOURLY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 123: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)**

**Item 123.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT304

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

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**Item 123.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular gas turbines or multiple gas turbines ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: 0.1 pounds per million Btus

Reference Test Method: EPA REF METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 124: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 227-3.13**

**Item 124.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT304

**Item 124.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a budget source which is not subject to 40 CFR Part 75 shall meet the monitoring requirements of this Subpart by:

(1) Submitting to the Department and the Administrator a monitoring plan as specified in paragraph 227-3.13(a)(2) which must include the following information, as appropriate:

(i) A description of the monitoring approach to be used;

(ii) A description of the major components of the monitoring system including the manufacturer, serial numbers of the component, the measurement span(s) of the components and documentation to demonstrate that the

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measurement span of each component is appropriate to measure all of the expected values. This requirement applies to all monitoring systems including CEMS which have not been certified pursuant to 40 CFR Part 75;

(iii) An estimate of the accuracy of the system and documentation to demonstrate how the estimate of accuracy was determined;

(iv) A description of the tests that will be used for initial certification, initial quality assurance, periodic quality assurance, and relative accuracy;

(v) If the monitoring system uses a default emission rate or unit specific emission factor, the monitoring plan shall include the following:

(a) All information necessary to support the emission rate including historical monitoring data and historical fuel usage data. If the source plans to conduct emission testing to determine emission rate, the plan must include a test protocol explaining the testing to be conducted;

(b) Procedures which will be utilized to demonstrate that any control equipment in operation during the testing to develop source specific emission factors or during development of load-based emissions curves are in use when those factors or emission curves are applied to calculate NO<sub>x</sub> emissions; and

(c) Alternative uncontrolled emission rates to be used to calculate NO<sub>x</sub> emissions during periods when control

d equipment is not being used or is inoperable.

(vi) The following documentation regarding heat input determination, as appropriate:

(a) If the method for determining heat input involves boiler efficiency testing, a description of the test to determine boiler efficiency;

(b) If the method for determining heat input uses fuel sampling, a description of the test to be used in the fuel sampling program; and

(c) If the method for determining heat input uses fuel flow meters, the meters shall be certified pursuant to 40 CFR Part 75 Appendix D, or equivalent certification methodology.

(vii) As described in the Guidance Document, schematics

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for the sources, data flow diagrams, and a list of the Electronic Report Record Types used to report quarterly data.

(2) Determining NO<sub>x</sub> emission rate in lbs/mmBtu using one of the following methods:

(i) Implementing monitoring in accordance with 40 CFR Part 75;

(ii) If the budget source is required to have and operate a CEMS to meet the requirements of 40 CFR Part 60 or other state requirements or permits, the CEMS must be used to meet the requirements of this paragraph. 40 CFR Part 60 monitors used for this purpose shall meet quality assurance criteria as described in the Guidance Document. Any time that a 40 CFR Part 60 CEMS cannot be used to report data for this program because it does not meet the requirements of the Guidance Document, missing data shall be substituted using the procedures in 40 CFR Part 75 Subpart D. In addition, a CEMS that has not undergone initial certification testing to meet the requirements of 40 CFR Part 75 or 40 CFR Part 60 shall meet the initial certification requirements contained in the Guidance Document;

(iii) If the budget source is an oil or gas fired source with a maximum heat input capacity of less than 250 mmBtu/hr or an oil or gas fired peaking source of any size and does not have a CEMS, any of the following methodologies may be used to measure NO<sub>x</sub>, consistent with the Guidance Document:

(a) For a boiler or a turbine, the procedures contained in 40 CFR Part 75 Appendix E;

(b) For a combustion turbine, a default emission factor as follows:

(1) 0.7 lb/mmBtu if gas fired;

(2) 1.2 lbs/mmBtu if oil fired; or

(3) the source specific maximum potential NO<sub>x</sub> emission rate determined through testing performed in accordance with a protocol approved by the Department.

(c) For a boiler, a default emission factor as follows:

(1) 2 lbs/mmBtu if oil fired,

(2) 1.5 lbs/mmBtu if gas fired; or

(3) the source specific maximum potential NO<sub>x</sub> emission

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rate determined through testing performed in accordance with a protocol approved by the Department.

(iv) any other method authorized in the Guidance Document and approved by the Department.

(3) Determining heat input rate using one of the following methods:

(i) If the budget source does not have a flue gas flow monitor, any of the following methods may be used upon Department approval:

(a) Use of a flow monitor and a diluent monitor meeting the requirements of 40 CFR Part 75 and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(b) For a budget source that combusts only oil or natural gas, use of a fuel flow monitor meeting the requirements of 40 CFR Part 75 Appendix D and the procedures set forth in 40 CFR Part 75 Appendix F Section 5;

(c) For a budget source having a rated capacity with a rated output of less than 25 megawatts or that operates as a peaking unit only, that combusts only oil or natural gas, measuring fuel use over a representative period and calculating the heat input on an hourly basis by apportioning the fuel based on electrical load in accordance with the following formula:

Hourly heat input = (Hourly electrical load x Total heat input) / Total electrical load

(d) For a budget source that combusts any fuel other than oil or natural gas, one of the following alternative methods:

(1) Conducting fuel sampling and analysis and monitoring fuel usage;

(2) Using boiler efficiency curves and other monitored information such as boiler steam output; and

(3) Any other methods approved by the Department.

(ii) Alternative methods specified in the Guidance Document and approved by the Department, which may be subject to both initial and periodic relative accuracy,



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and quality assurance testing as accepted by the Department.

(4) Determining the NOx emissions in lbs/hr by multiplying the NOx emission rate and heat input rate figures together.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 125: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable Federal Requirement: 6NYCRR 231-2.**

**Item 125.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CT304 Emission Point: CT304

Regulated Contaminant:

CAS No: 000630-08-0

Name: CARBON MONOXIDE

**Item 125.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Emission Unit operates with an air inlet water spray system which reduces the emissions of oxides of nitrogen but increases the emissions of carbon monoxide. In order to cap out of the requirements of 6 NYCRR Part 231-2 for carbon monoxide, the Emission Unit will be limited to 3,463 hours of operation during any rolling 365 day period. The operational status of the Emission Unit is continuously monitored. Each hour, or portion of hour, during which the Unit is in operation is automatically recorded in an electronic database, which will be available for inspection. The 365 day rolling total hours of operation report is prepared from this database and will be forwarded to the Department within 60 days following the end of each quarter. The operation of the spray system is on an as needed basis.

Monitoring Frequency: HOURLY

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Averaging Method: ANNUAL MAXIMUM ROLLED DAILY  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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**STATE ONLY ENFORCEABLE CONDITIONS**

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

**Condition 126: General Provisions**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable State Requirement: 6NYCRR 201-5.**

**Item 126.1:**

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

**Item 126.2:**

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

**Item 126.3:**

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

**Condition 127: Permit Exclusion Provisions**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable State Requirement: 6NYCRR 201-5.**

**Item 127.1:**

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

The issuance of this permit by the Department and the receipt thereof by the Applicant does not supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by this permit.



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

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

**Condition 128: Contaminant List**

**Effective between the dates of 06/14/2001 and 06/13/2006**

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

**Item 128.1:**

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

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Condition 129: Air pollution prohibited**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 129.1:**

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

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



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**Condition 130: Compliance Certification**

Effective between the dates of 06/14/2001 and 06/13/2006

**Applicable State Requirement: 6NYCRR 227-1.4(a)**

**Item 130.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00010 Emission Point: 00010

**Item 130.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Any person who owns a stationary combustion installation (excluding gas turbines), with a total maximum heat input capacity exceeding 250 million Btu per hour shall install, operate in accordance with manufacturer's instructions, and properly maintain, accurate instruments satisfying the criteria in appendix B of title 40, part 60 of the Code of Federal Regulations, or approved by the commissioner on an individual case basis, for continuously monitoring and recording opacity, and when sulfur dioxide continuous monitoring is required by Part 225 of this Title, for continuously monitoring and recording either the percent oxygen or carbon dioxide in the flue gases from such installations at all times that the combustion installation is in service. Where gas is the only fuel burned, monitoring and recording of opacity is not required.

Opacity monitoring reports are due sixty (60) days after the end of each calendar quarter (January - March, April - June, July - September, October - December).

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Reference Test Method: 40 CFR 60, App. B

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 131: Compliance Certification**

Effective between the dates of 06/14/2001 and 06/13/2006

**Applicable State Requirement: 6NYCRR 227-1.4(a)**

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**Item 131.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00020 Emission Point: 00020

**Item 131.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Any person who owns a stationary combustion installation (excluding gas turbines), with a total maximum heat input capacity exceeding 250 million Btu per hour shall install, operate in accordance with manufacturer's instructions, and properly maintain, accurate instruments satisfying the criteria in appendix B of title 40, part 60 of the Code of Federal Regulations, or approved by the commissioner on an individual case basis, for continuously monitoring and recording opacity, and when sulfur dioxide continuous monitoring is required by Part 225 of this Title, for continuously monitoring and recording either the percent oxygen or carbon dioxide in the flue gases from such installations at all times that the combustion installation is in service. Where gas is the only fuel burned, monitoring and recording of opacity is not required.

Opacity monitoring reports are due sixty (60) days after the end of each calendar quarter (January - March, April - June, July - September, October - December).

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Reference Test Method: 40 CFR 60, App. B

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 132: Compliance Certification**

**Effective between the dates of 06/14/2001 and 06/13/2006**

**Applicable State Requirement: 6NYCRR 227-1.4(a)**

**Item 132.1:**

The Compliance Certification activity will be performed for:



Emission Unit: U-00030    Emission Point: 00030

**Item 132.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Any person who owns a stationary combustion installation (excluding gas turbines), with a total maximum heat input capacity exceeding 250 million Btu per hour shall install, operate in accordance with manufacturer's instructions, and properly maintain, accurate instruments satisfying the criteria in appendix B of title 40, part 60 of the Code of Federal Regulations, or approved by the commissioner on an individual case basis, for continuously monitoring and recording opacity, and when sulfur dioxide continuous monitoring is required by Part 225 of this Title, for continuously monitoring and recording either the percent oxygen or carbon dioxide in the flue gases from such installations at all times that the combustion installation is in service. Where gas is the only fuel burned, monitoring and recording of opacity is not required.

Opacity monitoring reports are due sixty (60) days after the end of each calendar quarter (January - March, April - June, July - September, October - December).

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Reference Test Method: 40 CFR 60, App. B

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION