

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 4381400052**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 4-3814-00052/00001  
Mod 0 Effective Date: 09/23/2004 Expiration Date: No expiration date.  
Mod 1 Effective Date: 03/01/2005 Expiration Date: No expiration date.  
Mod 2 Effective Date: 06/23/2005 Expiration Date: No expiration date.

Permit Issued To: BESICORP-EMPIRE POWER COMPANY LLC  
1151 FLATBUSH RD  
KINGSTON, NY 12401

Facility: BESICORP-EMPIRE POWER GENERATING FACILITY  
RIVERSIDE AVE  
RENSSELAER, NY

Contact: DICK CLARK  
1151 FLATBUSH RD  
KINGSTON, NY 12401  
(845) 338-7700

Description:

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

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

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



**Notification of Other State Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

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

**Item B: Permittee's Contractors to Comply with Permit**

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

**Item C: Permittee Responsible for Obtaining Other Required Permits**

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal -REGION 4  
HEADQUARTERS



**DEC GENERAL CONDITIONS**

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

**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

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

**Item 1-1.1:**

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 1-1.2:**

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 1-1.3:**

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 1-2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 1-2.1:**

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

**Condition 1-3: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 1-3.1:**

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 1-3.2:**

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

**Item 1-3.3:**

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

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transfer of ownership.

**Condition 1-4: Permit Modifications, Suspensions and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 1-4.1:**

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

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

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

**Condition 1-5: Submission of Applications for Permit Modification or Renewal -REGION 4 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 1-5.1:**

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

NYSDEC Regional Permit Administrator  
Region 4 Headquarters  
Division of Environmental Permits  
1150 North Westcott Rd.  
Schenectady, NY 12306-2014  
(518) 357-2069



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

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT**

**IDENTIFICATION INFORMATION**

EMPIRE POWER COMPANY LLC  
1151 FLATBUSH RD  
KINGSTON, NY 12401

POWER GENERATING FACILITY  
RIVERSIDE AVE  
RENSSELAER, NY

Authorized Activity By Standard Industrial Classification Code:  
3 SERVICES COMBINED

Date: 09/23/2004



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**LIST OF CONDITIONS**

**PERMISSIBLE CONDITIONS**

**Facility Level**

- 2 6NYCRR 201-6.5(e): Compliance Demonstration
- 1-1 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 1 6NYCRR 201-3.2(a): Compliance Demonstration
- 1-2 6NYCRR 211.3: Visible Emissions Limited

**6NYCRR 204-8.1: Prohibitions.**

- 2-1 6NYCRR 211.3: Compliance Demonstration
- 4 6NYCRR 212.6(a): Compliance Demonstration
- 1-4 6NYCRR 212.6(a): Compliance Demonstration
- 5 6NYCRR 225-1.8(a): Compliance Demonstration
- 6 6NYCRR 227-2.4(f)(3): Compliance Demonstration
- 7 6NYCRR 231-2.4: Notification/Reporting requirements
- 2-2 6NYCRR 231-2.4: Emission offset requirements
- 2-3 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-4 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-5 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-6 6NYCRR 231-2.9(a): Compliance Demonstration
- 2-7 6NYCRR 231-2.9(a): Compliance Demonstration
- 2-8 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 2-9 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 2-10 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 2-11 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 2-12 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 2-13 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 20 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 21 40CFR 60.11(d), NSPS Subpart A: Compliance with Standards and Maintenance Requirements
- 2-14 40CFR 75.24, Subpart C: Compliance Demonstration
- 2-15 40CFR 75.54(a), Subpart F: Compliance Demonstration
- 2-16 40CFR 75.54(b), Subpart F: Compliance Demonstration
- 2-17 40CFR 75.54(c), Subpart F: Compliance Demonstration
- 2-18 40CFR 75.54(d), Subpart F: Compliance Demonstration
- 2-19 40CFR 75.56(a), Subpart F: Compliance Demonstration
- 1-24 40CFR 75.57, Subpart F: Compliance Demonstration

**Emission Unit Level**

**EU=1-CTDBR**

- 75 6NYCRR 204-4.1: Content of reports and compliance certifications.
- 76 6NYCRR 204-4.1: Discretionary report contents.
- 77 6NYCRR 204-4.1: Compliance Demonstration

**6NYCRR 204-8.1: General provisions.**

- 79 6NYCRR 204-8.1: Compliance Demonstration



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- 80 6NYCRR 204-8.2: Requirements for recertification of monitoring systems.
- 81 6NYCRR 204-8.3: Out of control periods.
- 82 6NYCRR 204-8.4: Compliance Demonstration
- 83 6NYCRR 204-8.7: Compliance Demonstration
- 84 6NYCRR 227-1.3: Compliance Demonstration
- 85 6NYCRR 227-1.4(b): Compliance Demonstration
- 1-59 6NYCRR 227-2.6(a)(5): Compliance Demonstration
- 1-61 40CFR 52.21, Subpart A: Compliance Demonstration
- 1-62 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-63 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-64 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-65 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-66 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-67 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 94 40CFR 60.7(a), NSPS Subpart A: Date of construction notification.
- 1-68 40CFR 60.47a(d), NSPS Subpart Da: Compliance Demonstration
- 1-69 40CFR 60.47a(e), NSPS Subpart Da: Compliance Demonstration
- 2-20 40CFR 60.47a(i), NSPS Subpart Da: Compliance Demonstration
- 2-21 40CFR 60.332(b), NSPS Subpart GG: Compliance Demonstration
- 1-72 40CFR 60.332(b), NSPS Subpart GG: Compliance Demonstration
- 1-73 40CFR 60.332(b), NSPS Subpart GG: Compliance Demonstration
- 1-74 40CFR 60.333(a), NSPS Subpart GG: Compliance Demonstration
- 100 40CFR 60.333(b), NSPS Subpart GG: Compliance Demonstration
- 101 40CFR 60.334(b), NSPS Subpart GG: CEMS
- 102 40CFR 60.334(i)(1), NSPS Subpart GG: Compliance Demonstration
- 2-22 40CFR 60.335(b), NSPS Subpart GG: Test methods and procedures for  
NOx emission testing
- 103 40CFR 72: Facility Subject to Title IV Acid Rain Regulations and  
Permitting

**EU=1-CTDBR,Proc=C01**

- 1-77 6NYCRR 231-2.5(a): Compliance Demonstration
- 1-78 6NYCRR 231-2.5(a): Compliance Demonstration
- 105 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-23 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-79 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-80 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-81 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-82 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-83 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-84 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-85 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 109 40CFR 52.21(j), Subpart A: Compliance Demonstration

**EU=1-CTDBR,Proc=C02**

- 114 6NYCRR 225-1.7(c): Compliance Demonstration
- 1-86 6NYCRR 227-1.2(a)(1): Compliance Demonstration





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- 1-87 6NYCRR 231-2.5(a): Compliance Demonstration
- 1-88 6NYCRR 231-2.5(a): Compliance Demonstration
- 1-89 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-24 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 2-25 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-91 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-92 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-93 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-94 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-95 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-97 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 120 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 128 40CFR 60.332(f), NSPS Subpart GG: Exemption from NOx standard.
- 1-100 40CFR 60.334(c)(1), NSPS Subpart GG: Compliance Demonstration
- 1-101 40CFR 60.334(c)(2), NSPS Subpart GG: Compliance Demonstration
- 1-102 40CFR 60.334(c)(3), NSPS Subpart GG: Compliance Demonstration
- 2-26 40CFR 60.334(j), NSPS Subpart GG: Compliance Demonstration

**EU=1-CTDBR,Proc=C03**

- 1-104 6NYCRR 231-2.5(a): Compliance Demonstration
- 1-105 6NYCRR 231-2.5(a): Compliance Demonstration
- 1-106 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-27 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-107 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-108 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-109 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-110 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-111 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-112 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-113 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-114 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-115 40CFR 60.42a(a)(1), NSPS Subpart Da: Compliance Demonstration
- 2-28 40CFR 60.42a(b), NSPS Subpart Da: Compliance Demonstration
- 1-119 40CFR 60.43a(b)(2), NSPS Subpart Da: Compliance Demonstration
- 148 40CFR 60.43a(g), NSPS Subpart Da: Averaging period for sulfur dioxide emissions.
- 1-122 40CFR 60.46a(a), NSPS Subpart Da: Compliance Demonstration
- 1-123 40CFR 60.46a(c), NSPS Subpart Da: Compliance Demonstration
- 1-125 40CFR 60.46a(f), NSPS Subpart Da: Compliance Demonstration
- 1-127 40CFR 60.46a(h), NSPS Subpart Da: Compliance Demonstration
- 1-128 40CFR 60.47a(c), NSPS Subpart Da: Compliance Demonstration
- 1-129 40CFR 60.48a(a), NSPS Subpart Da: Compliance Demonstration
- 2-29 40CFR 60.48a(b), NSPS Subpart Da: Compliance Demonstration
- 1-131 40CFR 60.48a(d), NSPS Subpart Da: Compliance Demonstration
- 1-132 40CFR 60.48a(e), NSPS Subpart Da: Compliance Demonstration
- 1-133 40CFR 60.48a(f), NSPS Subpart Da: Compliance Demonstration
- 1-134 40CFR 60.49a(a), NSPS Subpart Da: Compliance Demonstration



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- 1-135 40CFR 60.49a(c), NSPS Subpart Da: Compliance Demonstration
- 1-136 40CFR 60.49a(f), NSPS Subpart Da: Compliance Demonstration
- 1-137 40CFR 60.49a(g), NSPS Subpart Da: Compliance Demonstration
- 1-138 40CFR 60.49a(h), NSPS Subpart Da: Compliance Demonstration
- 1-139 40CFR 60.49a(i), NSPS Subpart Da: Compliance Demonstration

**EU=1-CTDBR,Proc=C04**

- 168 6NYCRR 225-1.7(c): Compliance Demonstration
- 1-140 6NYCRR 227-1.2(a)(1): Compliance Demonstration
- 1-141 6NYCRR 231-2.5(a): Compliance Demonstration
- 1-142 6NYCRR 231-2.5(a): Compliance Demonstration
- 1-143 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-30 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-144 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-145 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-146 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-147 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-148 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-149 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-150 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-151 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-152 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-153 40CFR 60.42a(a)(1), NSPS Subpart Da: Compliance Demonstration
- 1-154 40CFR 60.42a(a)(3), NSPS Subpart Da: Compliance Demonstration
- 1-155 40CFR 60.42a(b), NSPS Subpart Da: Compliance Demonstration
- 1-156 40CFR 60.43a(b)(1), NSPS Subpart Da: Compliance Demonstration
- 2-31 40CFR 60.43a(b)(2), NSPS Subpart Da: Compliance Demonstration
- 186 40CFR 60.43a(g), NSPS Subpart Da: Averaging period for sulfur dioxide emissions.
- 1-159 40CFR 60.44a(d), NSPS Subpart Da: Compliance Demonstration
- 1-160 40CFR 60.46a(a), NSPS Subpart Da: Compliance Demonstration
- 1-161 40CFR 60.46a(c), NSPS Subpart Da: Compliance Demonstration
- 1-163 40CFR 60.46a(e), NSPS Subpart Da: Compliance Demonstration
- 1-164 40CFR 60.46a(f), NSPS Subpart Da: Compliance Demonstration
- 1-165 40CFR 60.46a(g), NSPS Subpart Da: Compliance Demonstration
- 1-166 40CFR 60.46a(h), NSPS Subpart Da: Compliance Demonstration
- 1-167 40CFR 60.47a(a), NSPS Subpart Da: Compliance Demonstration
- 1-168 40CFR 60.47a(c), NSPS Subpart Da: Compliance Demonstration
- 195 40CFR 60.47a(k), NSPS Subpart Da: Compliance Demonstration
- 1-169 40CFR 60.48a(a), NSPS Subpart Da: Compliance Demonstration
- 1-171 40CFR 60.48a(b), NSPS Subpart Da: Compliance Demonstration
- 1-172 40CFR 60.48a(d), NSPS Subpart Da: Compliance Demonstration
- 1-173 40CFR 60.48a(e), NSPS Subpart Da: Compliance Demonstration
- 1-174 40CFR 60.48a(f), NSPS Subpart Da: Compliance Demonstration
- 1-175 40CFR 60.49a(a), NSPS Subpart Da: Compliance Demonstration
- 1-176 40CFR 60.49a(c), NSPS Subpart Da: Compliance Demonstration
- 1-177 40CFR 60.49a(f), NSPS Subpart Da: Compliance Demonstration



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- 1-178 40CFR 60.49a(g), NSPS Subpart Da: Compliance Demonstration
- 1-180 40CFR 60.49a(h), NSPS Subpart Da: Compliance Demonstration
- 1-181 40CFR 60.49a(i), NSPS Subpart Da: Compliance Demonstration
- 1-182 40CFR 60.332(a), NSPS Subpart GG: Compliance Demonstration
- 208 40CFR 60.332(f), NSPS Subpart GG: Exemption from NOx standard.
- 1-183 40CFR 60.334(c)(1), NSPS Subpart GG: Compliance Demonstration
- 1-184 40CFR 60.334(c)(2), NSPS Subpart GG: Compliance Demonstration
- 1-185 40CFR 60.334(c)(3), NSPS Subpart GG: Compliance Demonstration

**EU=1-MISCC,Proc=C21**

- 1-186 6NYCRR 227-1.3(a): Compliance Demonstration
- 1-187 6NYCRR 231-2.5(a): Compliance Demonstration
- 1-188 6NYCRR 231-2.5(a): Compliance Demonstration
- 1-189 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-190 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-191 40CFR 52.21(j), Subpart A: Compliance Demonstration

**EU=1-MISCC,Proc=C22**

- 217 40CFR 60.116b(a), NSPS Subpart Kb: Compliance Demonstration
- 218 40CFR 60.116b(b), NSPS Subpart Kb: Compliance Demonstration

**EU=1-MISCC,Proc=C24**

- 1-192 40CFR 52.21(j), Subpart A: Compliance Demonstration

**CEABLE CONDITIONS**

**Facility Level**

19-0301: Contaminant List

- 242 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 243 6NYCRR 201-5: Emission Unit Definition
- 244 6NYCRR 211.2: Air pollution prohibited

**Emission Unit Level**

- 245 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 246 6NYCRR 201-5: Process Definition By Emission Unit

**EU=1-CTDBR**

- 1-193 6NYCRR 201-5: Compliance Demonstration
  - 1-194 6NYCRR 201-5: Compliance Demonstration
  - 1-195 6NYCRR 201-5: Compliance Demonstration
  - 251 6NYCRR 227-1.4(a): Compliance Demonstration
- Permit Expiration Date: No expiration date.

Date: 03/01/2005

Permit Expiration Date: No expiration date.

Date: 06/23/2005

Permit Expiration Date: No expiration date.



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Sealing - 6NYCRR Part 200.5**

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

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

associated with such source.

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

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination

source in accordance with this section.

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

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

method of emission control required.

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

Any person who owns or operates an air contamination



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

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

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

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

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

**y Defense - 6NYCRR Part 201-1.5**

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

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

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

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

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

other requirements in the permit; and

(4) The facility owner and/or operator notified the Department within two working days after the event



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occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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

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

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

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

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

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

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific



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

control requirements, regulations, or law.

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

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

### **Item K:                      Visible Emissions Limited - 6 NYCRR Part 211.3**

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per

hour of not more than 57 percent opacity.

### **Open Fires - 6 NYCRR Part 215**

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

### **Permit Exclusion - ECL 19-0305**

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



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

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

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

**GENERAL APPLICABLE REQUIREMENTS**

**The following conditions are federally enforceable.**

**Condition 2: Compliance Demonstration**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 201-6.5(e)**

**Item 2.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;





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reporting requirements of this permit;

- 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

- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

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

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

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

address for the RAPCE is as follows:



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1150 North Westcott Road  
Schenectady, NY 12306-2014

The address for the BQA is as follows:

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

ing Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after every calendar year.

**Exempt Sources - Proof of Eligibility**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 201-3.2(a)**

**Item 1-1.1:**

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 this Subpart. 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 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 1: Compliance Demonstration**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 201-3.2(a)**

**Item 1.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As proof of exempt eligibility for the emergency generators, the facility must maintain monthly records which demonstrate that each engine is operated less than 500 hours per year, on a 12-month rolling total basis.

ing Frequency: MONTHLY



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Averaging Method: ANNUAL MINIMUM ROLLED MONTHLY  
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-2: Visible Emissions Limited**  
**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 1-2.1:**

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 3: Prohibitions.**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

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

**Item 3.1:** 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:

- h Section 204-8.6;
- (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
  - (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 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 2-1: Compliance Demonstration**  
**Effective between the dates of 06/23/2005 and Permit Expiration Date**



**Applicable Federal Requirement:**

**6NYCRR 211.3**

**Replaces Condition(s) 1-3**

**Item 2-1.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2-1.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL  
PARAMETERS AS SURROGATE

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per

of not more than 57 percent opacity.

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

required to perform the following:

1) Observe the stack(s) or vent(s) once per day for

This observation(s) must be conducted

during daylight hours except  
conditions (fog, rain, or snow).

during adverse weather

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

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

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the



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Method 9 analysis if the opacity standard is contravened.  
Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

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

Parameter Monitored: OPACITY  
Permit Limit: 20 percent  
Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 4: Compliance Demonstration**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 4.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 4.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

PARAMETERS AS SURROGATE

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six minutes of 20 percent or greater from any process emission source, except only the

emission of uncombined water.

The facility owner/operator shall conduct a visible emissions observation (determining the presence or absence of visible emissions) of all emission points and/or emission sources once per day, during daylight



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hours, except during conditions of extreme weather (fog, snow, rain).

If any instantaneous observations of visible emissions noted are greater than 20%, (Except the emission of uncombined water), the facility owner/operator will immediately investigate the cause and implement appropriate corrective measures if necessary. If unusual opacity conditions are observed (Except the emission of uncombined water) after the corrective actions have been taken, the facility owner or operator will perform a Method 9 analysis of the affected emission point or emission source and notify the Department of the observation within one business day. The facility owner/operator will also submit the Method 9 results to the Department.

Daily records of observations are to be maintained, including explanations for days when weather conditions are prohibitive, on-site for a period of five years.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Parameter Monitored: OPACITY  
Permit Limit: 20 percent  
Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 1/30/2005.

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

**Condition 1-4: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 212.6(a)**

**Item 1-4.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-4.2:**

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: MONITORING OF PROCESS OR CONTROL  
PARAMETERS AS SURROGATE

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.

The facility owner/operator shall conduct a visible emissions observation (determining the presence or absence of visible emissions) of all emission points and/or emission sources once per day, during daylight hours, except during conditions of extreme weather (fog, snow, rain).

If any instantaneous observations of visible emissions noted are greater than 20%, (Except the emission of uncombined water), the facility owner/operator will immediately investigate the cause and implement appropriate corrective measures if necessary. If unusual opacity conditions are observed (Except the emission of uncombined water) after the corrective actions have been taken, the facility owner or operator will perform a Method 9 analysis of the affected emission point or emission source and notify the Department of the observation within one business day. The facility owner/operator will also submit the Method 9 results to the Department.

Daily records of observations are to be maintained, including explanations for days when weather conditions are prohibitive, on-site for a period of five years.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Parameter Monitored: OPACITY  
Permit Limit: 20 percent  
Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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



**Condition 5: Compliance Demonstration**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

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

**Item 5.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall retain fuel oil supplier certifications for each shipment of oil received. Such certifications shall contain, as a minimum: supplier name, date of shipment, quantity shipped, heating value of the oil, oil sulfur content, and the method used to determine the sulfur content. Such certifications shall be available for inspection by, or submittal to, NYSDEC upon request.

Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 1/30/2005.

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

**Condition 6: Compliance Demonstration**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement:** 6NYCRR 227-2.4(f)(3)

**Item 6.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 6.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emergency power generating units and units that operate during emergency situations which operate less than 500





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hours per year, are exempt from the emission limitations specified in 6 NYCRR, Part 227-2.4(f)(1) and (2). Either hour counters are to be utilized or records maintained which will demonstrate compliance with the annual hourly limit. These records are to be maintained onsite for the five most recent years and be made available to NYSDEC upon request.

ig Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**ification/Reporting requirements**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.4**

**Item 7.1:**

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

**Item 7. 2:**

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

**Item 7.3:**

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

**Emission offset requirements**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.4**

**Replaces Condition(s) 1-5**

**Item 2-2.1:**

To satisfy the emission offset requirements of Part 231, the facility has obtained 82 tons of VOC Emission Reduction Credits (ERCs) and 242 tons of NOx ERCs from the following sources:

Facility Name	DEC ID	ERCs (tpy)
Universal Packaging Corp.	5-4115-00004	82
ic, Beebee Station	8-2614-00448	242



**Condition 2-3: Compliance Demonstration**  
**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:** 6NYCRR 231-2.5(a)

**Item 2-3.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 2-3.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EMPIRE POWER GENERATING  
PERMITTED IN CONJUNCTION  
BESICORP-EMPIRE RECYCLED  
ILITY AS ONE MAJOR SOURCE  
FINAL PSD PERMIT (PERMIT ID:  
3814-00052). FOR FUTURE PSD  
ATION PURPOSES, THE TOTAL  
SIONS FROM BOTH FACILITIES  
VSPRINT) FROM THE ORIGINAL  
HOWN BELOW SHALL BE USED

TO DEFINE THE SOURCE.

POTENTIAL TO EMIT FOR BOTH  
WAS ORIGINALLY DEFINED AS  
SHALL BE USED TO EVALUATE  
TURE MODIFICATIONS TO THE

FACILITY:

SO<sub>2</sub> = 151.4 TONS/YR  
SULFURIC ACID = 59.0 TONS/YR  
CO = 151.4 TONS/YR  
AMMONIA = 115.4 TONS/YR  
PM = 250.9 TONS/YR  
PM-10 = 250.9 TONS/YR  
VOC = 160.1 TONS/YR  
NO<sub>x</sub> = 221.8 TONS/YR

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 2-4: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Replaces Condition(s) 1-6, 9**

**Item 2-4.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 2-4.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

OXIDES OF NOX FROM THE EMISSIONS  
000A AND 0100B (COMBUSTION  
ENGINE BURNERS) MAY NOT EXCEED  
0.10, ROLLED DAILY. EMISSIONS  
DETERMINED USING CONTINUOUS  
ROLLING NOX EMISSIONS

ON A DAILY BASIS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 2-5: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Replaces Condition(s) 1-7, 10, 11**

**Item 2-5.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 2-5.2:**

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

SSIONS OF VOC (AS PROPANE)  
SION POINTS 0100A AND 0100B  
RBINES AND DUCT BURNERS)  
XCEED 71.1 TONS/YR ROLLED  
USE AND EMISSION FACTORS  
Y NYSDEC SHALL BE USED TO  
Y AND ROLLING ANNUAL VOC  
RECORDS SHALL INCLUDE THE  
IONS AND SUPPORTING DATA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 2-6: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.9(a)**

**Replaces Condition(s) 1-11**

**Item 2-6.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 2-6.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

POTENTIAL TO EMIT FOR NOX  
N/YR. AS A PROPOSED MAJOR  
MISSIONS MUST BE OFFSET AT  
1.15:1. THEREFORE, PRIOR TO  
OF OPERATION, THE FACILITY  
241.2 TONS OF NOX EMISSION  
DITS FOR REQUIRED EMISSION  
OFFSETS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



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**Condition 2-7: Compliance Demonstration**  
**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 231-2.9(a)**

**Replaces Condition(s) 1-10**

**Item 2-7.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):  
CAS No: 00Y998-00-0 VOC

**Item 2-7.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

POTENTIAL TO EMIT FOR VOC  
N/YR. AS A PROPOSED MAJOR  
MISSIONS MUST BE OFFSET AT  
1.15:1. THEREFORE, PRIOR TO  
OF OPERATION THE FACILITY  
E 81.8 TONS OF VOC EMISSION  
DITS FOR REQUIRED EMISSION  
OFFSETS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 2-8: Compliance Demonstration**  
**Effective between the dates of 06/23/2005 and Permit Expiration Date**

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

**Replaces Condition(s) 1-12, 15**

**Item 2-8.1:**

The Compliance Demonstration activity will be performed for the Facility.

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

**Item 2-8.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:



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SIONS OF SO<sub>2</sub> FROM EP'S 0100A  
NOT EXCEED 148.2 TONS/YR,  
AILY. FUEL USE, FUEL SULFUR  
MISSION FACTORS APPROVED  
E USED TO CALCULATE DAILY  
ING ANNUAL SO<sub>2</sub> EMISSIONS.  
INCLUDE CALCULATIONS AND

SUPPORTING DATA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 2-9: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Replaces Condition(s) 1-15, 17**

**Item 2-9.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 2-9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

MISSIONS OF PM-10 FROM THE  
TS 0100A AND 0100B MAY NOT  
7 TONS/YEAR, ROLLED DAILY.  
SSION FACTORS APPROVED BY  
E USED TO CALCULATE DAILY  
ANNUAL PM-10 EMISSIONS. THE  
RDS THAT SHALL BE KEPT ARE  
IONS AND SUPPORTING DATA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 2-10: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**



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**Replaces Condition(s) 1-13, 16**

**Item 2-10.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 2-10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EMISSIONS OF PM FROM EP'S 0100A  
SHALL NOT EXCEED 244.7 TONS/YR,  
ANNUALLY. FUEL USE AND EMISSION  
DATA BY NYS DEC SHALL BE USED  
FOR DAILY & ROLLING ANNUAL PM  
CONCENTRATIONS. RECORDS SHALL INCLUDE  
EMISSIONS AND SUPPORTING DATA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 2-11: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Replaces Condition(s) 14, 1-17**

**Item 2-11.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

**Item 2-11.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EMISSIONS OF SULFURIC ACID MIST  
FROM POINTS 0100A AND 0100B  
(FURNACES AND DUCT BURNERS)  
SHALL NOT EXCEED 58.5 TONS PER YEAR, ROLLED  
FUEL SULFUR ANALYSIS



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CTORS APPROVED BY NYSDEC  
ED TO CALCULATE DAILY AND  
ANNUAL SULFURIC ACID MIST  
RECORDS SHALL INCLUDE THE  
IONS AND SUPPORTING DATA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 2-12: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Replaces Condition(s) 1-16, 19**

**Item 2-12.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 2-12.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

SIONS OF CO FROM EP'S 0100A  
AY NOT EXCEED 76.7 TONS/YR,  
DAILY. EMISSIONS SHALL BE  
IED USING CEM'S, ROLLING CO  
BE DETERMINED ON A DAILY

BASIS.

Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 2-13: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Replaces Condition(s) 1-14, 18**

**Item 2-13.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):





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CAS No: 007664-41-7 AMMONIA

**Item 2-13.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ONS FOR AMMONIA FROM EP'S  
0100B MAY NOT EXCEED 110.9  
LED DAILY. EMISSIONS SHALL  
MINED USING CEM'S, ROLLING  
EMISSIONS ON A DAILY BASIS.

Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 20: EPA Region 2 address.**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 60.4, NSPS Subpart A**

**Item 20.1:**

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

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

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

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

**Condition 21: Compliance with Standards and Maintenance Requirements**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

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

**Item 21.1:**



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

tion of the source.

**Condition 2-14: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 75.24, Subpart C**

**Replaces Condition(s) 1-18**

**Item 2-14.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2-14.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

CEMS Out-of-control periods.

(a) If an out-of-control period occurs to a monitor or continuous emission monitoring system, the owner or operator shall take corrective action and repeat the tests applicable to the "out-of-control parameter" as described

in appendix B of this part.

(1) For daily calibration error tests, an out-of-control period occurs when the calibration error of a pollutant concentration monitor exceeds 5.0 percent based upon the span value, the calibration error of a diluent gas monitor exceeds 1.0 percent O<sub>2</sub> or CO<sub>2</sub>, or the calibration error of a flow monitor exceeds 6.0 percent based upon the span value, which is twice the applicable specification in Appendix A to this part.

(2) For quarterly linearity checks, an out-of-control period occurs when the error in linearity at any of three gas concentrations (low, mid-range, and high) exceeds the applicable specification in appendix A to this part.

(3) For relative accuracy test audits, an out-of-control period occurs when the relative accuracy exceeds the applicable specification in Appendix A to this part.

(b) When a monitor or continuous emission monitoring



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system is out-of-control, any data recorded by the monitor or monitoring system are not quality-assured and shall not be used in calculating monitor data availabilities

pursuant to §75.32 of this part.

(c) When a monitor or continuous emission monitoring system is out-of-control, the owner or operator shall take one of the following actions until the monitor or monitoring system has successfully met the relevant criteria in appendices A and B of this part as

demonstrated by subsequent tests:

(1) Apply the procedures for missing data substitution to emissions from affected unit(s); or

(2) Use a certified backup or certified portable monitor or monitoring system or a reference method for measuring and recording emissions from the affected unit(s); or

(3) Adjust the gas discharge paths from the affected unit(s) with emissions normally observed by the out-of-control monitor or monitoring system so that all exhaust gases are monitored by a certified monitor or monitoring system meeting the requirements of appendices A and B of this part.

(d) When the bias test indicates that an SO<sub>2</sub> monitor, volumetric flow monitor, or NO<sub>x</sub> continuous emission monitoring system is biased low (i.e., the arithmetic mean of the differences between the reference method value and the monitor or monitoring system measurements in a relative accuracy test audit exceed the bias statistic in section 7 of appendix A to this part), the owner or operator shall adjust the monitor or continuous emission monitoring system to eliminate the cause of bias such that it passes the bias test or calculate and use the bias adjustment factor as specified in section 2.3.3 of appendix B to this part and in accordance with §75.7.

(e) The owner or operator shall determine if a continuous opacity monitoring system is out-of-control and shall take appropriate corrective actions according to the procedures specified for State Implementation Plans, pursuant to appendix M of part 51 of this chapter. The owner or operator shall comply with the monitor data availability requirements of the State. If the State has no monitor data availability requirements for continuous opacity monitoring systems, then the owner or operator shall



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comply with the monitor data availability requirements as  
stated in the data capture provisions of appendix M, part  
51 of this chapter.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 2-15: Compliance Demonstration**  
**Effective between the dates of 06/23/2005 and Permit Expiration Date**

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

**Replaces Condition(s) 1-19**

**Item 2-15.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2-15.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

(a) Recordkeeping requirements for affected sources. The owner or operator of any affected source subject to the requirements of this part shall maintain for each affected unit a file of all measurements, data, reports, and other information required by this part at the source in a form suitable for inspection for at least five (5) years from the date of each record. Unless otherwise provided, throughout this subpart the phrase "for each affected unit" also applies to each group of affected or nonaffected units utilizing a common stack and common monitoring systems, pursuant to §§75.13 through 75.18, or utilizing a common pipe header and common fuel flowmeter, pursuant to section 2.1.2 of appendix D of this part. The file shall contain the following information:

(1) The data and information required in paragraphs (b) through (f) of this section, beginning with the earlier of the date of provisional certification, or the deadline in §75.4(a), (b) or (c);

(2) The supporting data and information used to calculate values required in paragraphs (b) through (f) of this



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section, excluding the subhourly data points used to compute hourly averages under §75.10(d), beginning with the earlier of the date of provisional certification, or the deadline in §75.4(a), (b) or (c);

(3) The data and information required in §75.55 of this part for specific situations, as applicable, beginning with the earlier of the date of provisional certification, or the deadline in §75.4(a), (b) or (c);

(4) The certification test data and information required in §75.56 for tests required under §75.20, beginning with the date of the first certification test performed, and the quality assurance and quality control data and information required in §75.56 for tests and the quality assurance/quality control plan required under §75.21 and appendix B of this part, beginning with the date of provisional certification;

(5) The current monitoring plan as specified in §75.53, beginning with the initial submission required by §75.62; and

(6) The quality control plan as described in appendix B to this part, beginning with the date of provisional certification.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 2-16: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 75.54(b), Subpart F**

**Replaces Condition(s) 1-20**

**Item 2-16.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2-16.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



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**Monitoring Description:**

(b) Operating parameter record provisions. The owner or operator shall record for each hour the following information on unit operating time, heat input, and load separately for each affected unit, and also for each group of units utilizing a common stack and a common monitoring system or utilizing a common pipe header and common fuel flowmeter, except that separate heat input data for each unit shall not be required after January 1, 2000 for any unit, other than an opt-in source, that does not have a NOX emission limitation under part 76 of this chapter.

- (1) Date and hour;
- (2) Unit operating time (rounded up to nearest 15 minutes);
- (3) Total hourly gross unit load (rounded to nearest MWge) (or steam load in lb/hr at stated temperature and pressure, rounded to the nearest 1000 lb/hr, if elected in the monitoring plan);
- (4) Operating load range corresponding to total gross load of 1-10, except for units using a common stack or common pipe header, which may use the number of unit load ranges up to 20 for flow, as specified in the monitoring plan; and
- (5) Total heat input (mmBtu, rounded to the nearest tenth).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 2-17: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 75.54(c), Subpart F**

**Replaces Condition(s) 1-21**

**Item 2-17.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2-17.2:**

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(c) SO<sub>2</sub> emission record provisions. The owner or operator shall record for each hour the information required by this paragraph for each affected unit or group of units using a common stack and common monitoring systems, except as provided under §75.11(e) or for a gas-fired or oil-fired unit for which the owner or operator is using the optional protocol in appendix D to this part for

estimating SO<sub>2</sub> mass emissions:

(1) For SO<sub>2</sub> concentration, as measured and reported from each certified primary monitor, certified back-up monitor, or other approved method of emissions determination:

(i) Component-system identification code as provided for in §75.53;

(ii) Date and hour;

(iii) Hourly average SO<sub>2</sub> concentration (ppm, rounded to the nearest tenth);

(iv) Hourly average SO<sub>2</sub> concentration (ppm, rounded to the nearest tenth) adjusted for bias, if bias adjustment factor is required as provided for in §75.24(d);

(v) Percent monitor data availability (recorded to the nearest tenth of a percent) calculated pursuant to §75.32; and

(vi) Method of determination for hourly average SO<sub>2</sub> concentration using Codes 1-15 in Table 4 of this section.

(2) For flow as measured and reported from each certified primary monitor, certified back-up monitor or other approved method of emissions determination:

(i) Component/system identification code as provided for in §75.53;

(ii) Date and hour;

(iii) Hourly average volumetric flow rate (in scfh, rounded to the nearest thousand);

(iv) Hourly average volumetric flow rate (in scfh, rounded to the nearest thousand) adjusted for bias, if bias adjustment factor required as provided for in §75.24(d);

(v) Hourly average moisture content of flue gases (the nearest tenth) where SO<sub>2</sub>

concentration is measured on dry basis;

(vi) Percent monitor data availability (recorded to the nearest tenth of a percent), calculated pursuant to §75.32; and



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(vii) Method of determination for hourly average flow rate  
using Codes 1-15 in Table 4.

(3) For SO<sub>2</sub> mass emissions as measured and reported from the certified primary monitoring system(s), certified redundant or non-redundant back-up monitoring system(s), or other approved method(s) of emissions determination:

- (i) Date and hour;
- (ii) Hourly SO<sub>2</sub> mass emissions (lb/hr, rounded to the nearest tenth);
- (iii) Hourly SO<sub>2</sub> mass emissions (lb/hr, rounded to the nearest tenth) adjusted for bias, if bias adjustment factor required, as provided for in §75.24(d); and
- (iv) Identification code for emissions formula used to derive hourly SO<sub>2</sub> mass 265 emissions from SO<sub>2</sub> concentration and flow data in paragraphs (c)(1) and (c)(2) of this section as provided for in §75.53.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 2-18: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 75.54(d), Subpart F**

**Replaces Condition(s) 1-22**

**Item 2-18.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2-18.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (d) NO<sub>x</sub> emission record provisions. The owner or operator shall record the information required by this paragraph for each affected unit for each hour, except for a gas-fired peaking unit or oil-fired peaking unit for which the owner or operator is using the optional protocol in





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appendix E to this part for estimating NOX emission rate.  
For each NOX emission rate as measured and reported from the certified primary monitor, certified back-up monitor, or other approved method of emissions determination:  
(1) Component/system identification code as provided for in §75.53;  
(2) Date and hour;  
(3) Hourly average NOX concentration (ppm, rounded to the nearest tenth);  
(4) Hourly average diluent gas concentration (percent O2 or percent CO2, rounded to the nearest tenth);  
(5) Hourly average NOX emission rate (lb/mmBtu, rounded to nearest hundredth);  
(6) Hourly average NOX emission rate (lb/mmBtu, rounded to nearest hundredth) adjusted for bias, if bias adjustment factor is required as provided for in §75.24(d);  
(7) Percent monitoring system data availability, (recorded to the nearest tenth of a percent), calculated pursuant to §75.32;  
(8) Method of determination for hourly average NOX emission rate using Codes 1-15 in Table 4; and  
(9) Identification code for emissions formula used to derive hourly average NOX emission rate, as provided for in §75.53.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 2-19: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 75.56(a), Subpart F**

**Replaces Condition(s) 1-23**

**Item 2-19.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2-19.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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(a) Continuous emission or opacity monitoring systems.  
The owner or operator shall record the applicable information in this section for each certified monitor or certified monitoring system (including certified backup monitors) measuring and recording emissions or flow from an affected unit.

(1) For each SO<sub>2</sub> or NO<sub>X</sub> pollutant concentration monitor, flow monitor, CO<sub>2</sub> monitor, or diluent gas monitor, the owner or operator shall record the following for all daily and 7-day calibration error tests, including any follow-up

tests after corrective action:  
Component/system identification code;

(ii) Instrument span;  
(iii) Date and hour;  
(iv) Reference value, (i.e., calibration gas concentration or reference signal value, in ppm or other appropriate units);

(v) Observed value (monitor response during calibration, in ppm or other appropriate units);

(vi) Percent calibration error (rounded to nearest tenth of a percent); and  
(vii) For 7-day calibration tests for certification or recertification, a certification from the cylinder gas vendor or CEMS vendor, that calibration gas as defined in §72.2 and appendix A of this part, were used to conduct

calibration error testing; and

(viii) Description of any adjustments, corrective actions, or maintenance following test.

(2) For each flow monitor, the owner or operator shall record the following for all daily interference checks, including any follow-up tests after corrective action:

(i) Code indicating whether monitor passes or fails the interference check; and

(ii) Description of any adjustments, corrective actions, or maintenance following test.

(3) For each SO<sub>2</sub> or NO<sub>X</sub> pollutant concentration monitor, CO<sub>2</sub> monitor, or diluent gas monitor, the owner or operator shall record the following for the initial and all subsequent linearity check(s), including any follow-up

tests after corrective action:  
Component/system identification code;

(ii) Instrument span;  
(iii) Date and hour;  
(iv) Reference value (i.e., reference gas concentration,



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in ppm or other appropriate units);

(v) Observed value (average monitor response at each reference gas concentration, in ppm or other appropriate units);

(vi) Percent error at each of three reference gas concentrations (rounded to nearest tenth of a percent);

and (vii) Description of any adjustments, corrective action, or maintenance following test. 271

(4) For each flow monitor, where applicable, the owner or operator shall record the following for all quarterly leak checks, including any follow-up tests after corrective action:

(i) Code indicating whether monitor passes or fails the quarterly leak check; and

(ii) Description of any adjustments, corrective actions, or maintenance following test.

(5) For each SO<sub>2</sub> pollutant concentration monitor, flow monitor, CO<sub>2</sub> pollutant concentration monitor; NO<sub>x</sub> continuous emission monitoring system, SO<sub>2</sub>-diluent continuous emission monitoring system, and approved alternative monitoring system, the owner or operator shall record the following information for the initial and all subsequent relative accuracy tests and test audits:

(i) Date and hour;

(ii) Reference method(s) used;

(iii) Individual test run data from the relative accuracy test audit for the SO<sub>2</sub> concentration monitor, flow monitor, CO<sub>2</sub> pollutant concentration monitor, NO<sub>x</sub> continuous emission monitoring system, SO<sub>2</sub>-diluent continuous emission monitoring system, or approved alternative monitoring systems, including:

(A) Date, hour, and minute of beginning of test run,

(B) Date, hour, and minute of end of test run,

(D) Run number,

(E) Run data for monitor;

(G) Flag value (0 or 1) indicating whether run has been used in calculating relative accuracy and bias values.

(iv) Calculations and tabulated results, as follows:

(A) Arithmetic mean of the monitoring system measurement values, reference method values, and of their differences, as specified in Equation A-7 in appendix A to this part.

Component/system identification code,

) Run data for reference method; and



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(B) Standard deviation, as specified in Equation A-8 in appendix A to this part.

(C) Confidence coefficient, as specified in Equation A-9

in appendix A to this part.

(D) Relative accuracy test results, as specified in Equation A-10 in appendix A to this part. (For the 3-level flow monitor test only, relative accuracy test results should be recorded at each of three gas velocities. Each of these three gas velocities shall be expressed as a total gross unit load, rounded to the nearest MWe or as steam load, rounded to the nearest thousand lb/hr.)

(E) Bias test results as specified in section 7.6.4 in appendix A to this part.

(F) Bias adjustment factor from Equations A-11 and A-12 in appendix A to this part for any monitoring system or component that failed the bias test and 1.0 for any monitoring system or component that passed the bias test. (For flow monitors only, bias adjustment factors should be recorded at each of three gas velocities).

(v) Description of any adjustment, corrective action, or maintenance following test.

(vi) F-factor value(s) used to convert NOX pollutant concentration and diluent gas (O<sub>2</sub> or CO<sub>2</sub>) concentration measurements into NOX emission rates (in lb/mmBtu), heat input or CO<sub>2</sub> emissions.

(6) [Reserved]

(7) Results of all trial runs and certification tests and quality assurance activities and measurements (including all reference method field test sheets, charts, records of combined system responses, laboratory analyses, and

example calculations) necessary to substantiate

compliance with all relevant appendices in this part.

This information shall include, but shall not be limited

the following reference method data:

(i) For each run of each test using Method 2 in appendix A of part 60 of this chapter to determine volumetric flow rate:

(A) Pitot tube coefficient;

(B) Date of pitot tube calibration;

(C) Average square root of velocity head of stack gas

(inches of water) for the run;

(D) Average absolute stack gas temperature, °R;

(E) Barometric pressure at test port, inches of mercury;

(F) Stack static pressure, inches of H<sub>2</sub>O; 272



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- (G) Absolute stack gas pressure, inches of mercury;
- (H) Moisture content of stack gas, percent;
- (I) Molecular weight of stack gas, wet basis (lb/lb-mole);

(J) Number of reference method measurements during the run; and

(K) Total volumetric flowrate (scfh, wet basis).

(ii) For each test using Method 2 in appendix A of part 60 of this chapter to determine volumetric flow rate:

(A) Information indicating whether or not the location meets requirements of Method 1 in appendix A of part 60 of this chapter;

(B) Information indicating whether or not the equipment passed the leak check after every run included in the relative accuracy test;

(C) Stack inside diameter at test port (ft);

(D) Duct side height and width at test port (ft);

(E) Stack or duct cross-sectional area at test port (ft<sup>2</sup>);  
and

(F) Designation as to the load level of the test.

(iii) For each run of each test using Method 6C, 7E, or 3A in appendix A of part 60 of this chapter to determine SO<sub>2</sub>,

NO<sub>x</sub>, CO<sub>2</sub>, or O<sub>2</sub> concentration:

(A) Run start date;

(B) Run start time;

(C) Run end date;

(D) Run end time;

) Span of reference method analyzer;

(F) Reference gas concentration (low, mid-, and high gas levels);

(G) Initial and final analyzer calibration response (low, mid- and high gas levels);

(H) Analyzer calibration error (low, mid-, and high gas levels);

(I) Pre-test and post-test analyzer bias (zero and upscale gas levels);

(J) Calibration drift and zero drift of analyzer;

(K) Indication as to which data are from a pretest and which are from a posttest;

(L) Calibration gas level (zero, mid-level, or high); and

(M) Moisture content of stack gas, in percent, if needed to convert to moisture basis of CEMS being tested.

(iv) For each test using Method 6C, 7E, or 3A in appendix A of part 60 of this chapter to determine SO<sub>2</sub>, NO<sub>x</sub>, CO<sub>2</sub>, or O<sub>2</sub> concentration:

(A) Pollutant being measured;



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(B) Test number;

(C) Date of interference test;

(D) Results of interference test;

(E) Date of NO<sub>2</sub> to NO conversion test (Method 7E only);

(F) Results of NO<sub>2</sub> to NO conversion test (Method 7E only).

(v) For each calibration gas cylinder used to test using Method 6C, 7E, or 3A in appendix A of part 60 of this chapter to determine SO<sub>2</sub>, NO<sub>x</sub>, CO<sub>2</sub>, or O<sub>2</sub> concentration:

(A) Cylinder gas vendor name from certification;

(B) Cylinder number;

(C) Cylinder expiration date;

(D) Pollutant(s) in cylinder; and

(E) Cylinder gas concentration(s).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-24: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 75.57, Subpart F**

**Item 1-24.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-24.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

General Recordkeeping Provisions

40CFR 75.57, Subpart f

The owner or operator of any affected source subject to the requirements of 40 CFR Part 75 shall maintain for each affected unit a file of all measurements, data, reports



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and other information required by 40 CFR Part 75 at the source in a form suitable for inspection for at least 3 years from the date of each record.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 4/30/2005.

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

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

**Condition 75: Content of reports and compliance certifications.**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 204-4.1**

**Item 75.1:**

This Condition applies to Emission Unit: 1-CTDBR

**Item 75.2:** 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

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,

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

has been made;

(iv) Whether the facts that form the basis for certification under Subpart 204-8 of each monitor at the unit



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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.

**Discretionary report contents.**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 204-4.1**

**Item 76.1:**

This Condition applies to Emission Unit: 1-CTDBR

**Item 76.2:** At the NOx authorized account representative's option the following may be included in 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 77: Compliance Demonstration**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 204-4.1**

**Item 77.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 77.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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





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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 78: General provisions.**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

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

**Item 78.1:**

This Condition applies to Emission Unit: 1-CTDBR

**Item 78.2:** 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 79: Compliance Demonstration**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

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

**Item 79.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 79.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

tests are successfully completed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION



Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 80: Requirements for recertification of monitoring systems.**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

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

**Item 80.1:**

This Condition applies to Emission Unit: 1-CTDBR

**Item 80.2:** 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 81: Out of control periods.**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

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

**Item 81.1:**

This Condition applies to Emission Unit: 1-CTDBR

**Item 81.2:** 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 82: Compliance Demonstration**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

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

**Item 82.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 82.2:**

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

All monitoring plans or monitoring plan modifications; compliance certifications, recertifications and quarterly QA/QC reports; and, petitions for alternative monitoring, 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 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

(or hard copy) to the NYSDEC offices.

The address for the USEPA Administrator is as follows:

USEPA Clean Air Markets Division

401 M Street SW (6204J)  
Washington D.C. 20460

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

The address for the BCME is as follows:

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

ACR changes should be sent to the attention of:

NYSDEC

Stationary Source Planning Section



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

address for the RAPCE is as follows:

1150 North Westcott Road  
Schenectady, NY 12301-2014

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 83: Compliance Demonstration**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

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

**Item 83.1:**  
The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 83.2:**  
Compliance Demonstration 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 NOx Mass emissions using a NOx 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: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 84: Compliance Demonstration**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-1.3**

**Item 84.1:**  
The Compliance Demonstration activity will be performed for:



Emission Unit: 1-CTDBR

**Item 84.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Stack opacity shall not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this standard may be determined by EPA Reference Method 9, Continuous Opacity Monitoring System (COMS) data, and/or any other credible evidence. The owner shall install, operate in accordance with manufacturer's instructions, and properly maintain, a COMS in the stack satisfying the

criteria in Appendix B of 40 CFR part 60.

The owner shall submit an accurate excess emissions and monitoring system performance report to the Department for each calendar year quarter. All reports shall be certified by a responsible corporate official as true, accurate and complete and postmarked by the 60th day following the end of each calendar year quarter. The quarterly excess emissions report shall be submitted in a form acceptable to the Department and shall include the

following minimum information:

(1) The magnitude, date and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;

(2) For each period of excess emissions, specific identification of the cause and corrective action taken;

(3) Identification of all periods of COMS downtime, including the date, time and duration of each inoperable period, and the cause and corrective action for each COMS downtime period;

(4) The total time in which the COMS are 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



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which the COMS are required to record data.

meter Monitored: OPACITY  
Permit Limit: 20 percent

Reference Test Method: 40 CFR 60 APP B RM 9

Frequency: CONTINUOUS  
Period: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 10/30/2004.

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

**Condition 85: Compliance Demonstration**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

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

**Item 85.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 85.2:**

Compliance Demonstration 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



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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).

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 10/30/2004.

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

**Condition 1-59: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 227-2.6(a)(5)**

**Item 1-59.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 1-59.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

GENERATOR OF COMBINED CYCLE  
TURBINES WITH MAXIMUM HEAT  
RATE GREATER THAN 250 MILLION BTU  
PER HOUR. UTILIZE CEMS AS DESCRIBED  
IN DIVISION (b) OF THIS SECTION.

Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-61: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21, Subpart A**

**Item 1-61.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA



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**Item 1-61.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

IONS FROM THE COMBUSTION  
SHALL NOT EXCEED 5.0 PPMDV  
S GOOD OPERATING PRACTICE  
REQUIRED FOR NOX LAER AND  
IOUS EMISSIONS MONITORING  
HALL BE USED TO DETERMINE  
COMPLIANCE WITH THIS LIMIT.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 5.0 parts per million by volume

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

d: PART 60 APP B AND F

Frequency: CONTINUOUS

FOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-62: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-62.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 1-62.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

BINE TRAINS ARE OPERATING,  
LOWABLE CONTINUOUS LOAD  
ORMAL OPERATION FOR EACH  
RBINE DURING THE FIRING OF  
3 OIL IS 50 PERCENT. TURBINE  
ONTINUOUSLY RECORDED TO  
TRATE COMPLIACE WITH THIS





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REQUIREMENT.

Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-63: Compliance Demonstration**  
**Effective between the dates of 03/01/2005 and Permit Expiration Date**

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

**Item 1-63.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 1-63.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ONLY ONE TURBINE TRAIN IS  
G, THE MINIMUM ALLOWABLE  
DURING NORMAL OPERATION  
USTION TURBINE DURING THE  
ISTILLATE OIL IS 100 PERCENT.  
AD SHALL BE CONTINUOUSLY  
ONSTRATE COMPLIANCE WITH

THIS REQUIREMENT.

Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-64: Compliance Demonstration**  
**Effective between the dates of 03/01/2005 and Permit Expiration Date**

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

**Item 1-64.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 1-64.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

PARAMETERS AS SURROGATE



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**Monitoring Description:**

STION TURBINES (CTRB1 AND  
ALL BE LIMITED TO FIRING NO  
THAN A TOTAL OF 31 MILLION  
AR OF FUEL OIL ON A ROLLING  
BASIS. FUEL OIL FLOW TO THE  
NES SHALL BE CONTINUOUSLY  
RECORDED TO DEMONSTRATE  
NCE WITH THIS REQUIREMENT.

Work Practice Type: PROCESS MATERIAL THRUPUT

Material: NUMBER 2 OIL

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 3.1E+07 gallons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Final report is due 7/30/2005.

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

**Condition 1-65: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-65.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 1-65.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

LOWABLE CONTINUOUS LOAD  
NORMAL OPERATION FOR THE  
RBINE DURING THE FIRING OF  
S 50 PERCENT. TURBINE LOAD  
ONTINUOUSLY RECORDED TO  
RATE COMPLIANCE WITH THIS

REQUIREMENT.

Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



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**Condition 1-66: Compliance Demonstration**

Effective between the dates of 03/01/2005 and Permit Expiration Date

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-66.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 1-66.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NE TRAIN, THE DUCT BURNER  
TE UNLESS THE COMBUSTION  
IS AT 100 PERCENT LOAD. THE  
E CONTINUOUS LOAD DURING  
ON FOR EACH DUCT BURNER IS  
RING FIRING OF NATURAL GAS  
5 PERCENT DURING FIRING OF  
OIL. THE TURBINE AND DUCT  
DS SHALL BE CONTINUOUSLY  
ONSTRATE COMPLIANCE WITH

THIS REQUIREMENT.

Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-67: Compliance Demonstration**

Effective between the dates of 03/01/2005 and Permit Expiration Date

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-67.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 1-67.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

PARAMETERS AS SURROGATE

Monitoring Description:

RS (DBRN1 AND DBRN2) SHALL



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RING NO MORE THAN A TOTAL  
N GALLONS/YEAR OF FUEL OIL  
DAILY BASIS. FUEL OIL FLOW  
ERS SHALL BE CONTINUOUSLY  
RECORDED TO DEMONSTRATE  
WITH THIS REQUIREMENT. A  
PTION OF THE FUEL OIL FLOW  
ECORDING SYSTEM SHALL BE  
DEPARTMENT FOR APPROVAL  
DUCTION ON THIS SOURCE. AN  
ONITORING SYSTEM SHALL BE  
OPERATING PRIOR TO INITIAL

START UP OF THIS SOURCE.

Work Practice Type: PROCESS MATERIAL THRUPUT

Material: NUMBER 2 OIL

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 7.4E+06 gallons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Date of construction notification.**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

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

**Item 94.1:**

This Condition applies to Emission Unit: 1-CTDBR

**Item 94.2:**

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

- 1) a notification of the date construction or reconstruction commenced, postmarked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, postmarked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR 60. The notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and



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

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

6) a notification of the anticipated date for conducting the opacity observations, postmarked not less than 30 days prior to such date; and

7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, postmarked not less than 30 days prior to the performance test.

**Condition 1-68: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.47a(d), NSPS Subpart Da**

**Item 1-68.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 1-68.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall install, calibrate, maintain, and operate a continuous monitoring system, and record the output of the system, for measuring the oxygen or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored.

Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 4/30/2005.

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

**Condition 1-69: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**



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**Applicable Federal Requirements 40CFR 60.47a(e), NSPS Subpart Da**

**Item 1-69.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 1-69.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

) The continuous monitoring systems under paragraphs (b), (c), and (d) of this section are operated and data recorded during all periods of operation of the affected facility including periods of startup, shutdown, malfunction or emergency conditions, except for continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments.

Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 2-20: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirements 40CFR 60.47a(i), NSPS Subpart Da**

**Replaces Condition(s) 1-70, 97**

**Item 2-20.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 2-20.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(i) The owner or operator shall use methods and



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procedures required by 40CFR60.47a(i) in order to conduct monitoring system performance evaluations under Sec. 60.13(c) and calibration checks under Sec. 60.13(d).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 2-21: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.332(b), NSPS Subpart GG**

**Replaces Condition(s) 1-71**

**Item 2-21.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

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

**Item 2-21.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

50.332 Standard for nitrogen oxides.

(a) On and after the date of the performance test required by Sec. 60.8 is completed, every owner or operator of an electric utility stationary gas turbine as defined in §60.332(b) shall comply with the following:

(1) No owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any stationary gas turbine, any gases which contain

nitrogen oxides in excess of:

$$STD = 0.0075 \left( \frac{14.4}{Y} \right) + F$$

where:

STD=allowable NOx emissions (percent by volume at 15



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percent oxygen and on a dry basis).

Y=manufacturer's rated heat rate at manufacturer's rated load (kilojoules per watt hour) or, actual measured heat rate based on lower heating value of fuel as measured at actual peak load for the facility. The value of Y shall

exceed 14.4 kilojoules per watt hour.

F=NO<sub>x</sub> emission allowance for fuel-bound nitrogen as defined as follows:

F shall be defined according to the nitrogen content of the fuel as follows:

-----  
-----  
-----

-----  
Fuel-bound nitrogen                      F (NO<sub>x</sub> percent  
by  
(percent by weight)  
volume)  
-----

-----  
N0.015.....

0

0.015 < N0.1.....

0.04(N)

0.1 < N0.25.....

0.004+0.0067(N-0.1)

N>0.25.....

0.005

-----  
-----  
-----

-----  
where:

N=the nitrogen content of the fuel (percent by weight).

or:

Manufacturers may develop custom fuel-bound nitrogen allowances for each gas turbine model they manufacture. These fuel-bound nitrogen allowances shall be substantiated with data and must be approved for use by the Administrator before the initial performance test required by Sec. 60.8. Notices of approval of custom fuel-bound nitrogen allowances will be published in the Federal Register.





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Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-72: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.332(b), NSPS Subpart GG**

**Item 1-72.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

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

**Item 1-72.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

60.332 Standard for nitrogen oxides.

(a) On and after the date of the performance test required by Sec. 60.8 is completed, every owner or operator of an electric utility stationary gas turbine as defined in §60.332(b) shall comply with the requirements

listed in 40CFR60.332(a)(1).

Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-73: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.332(b), NSPS Subpart GG**

**Item 1-73.1:**



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The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

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

**Item 1-73.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

50.332 Standard for nitrogen oxides.

(a) On and after the date of the performance test required by Sec. 60.8 is completed, every owner or operator of an electric utility stationary gas turbine as defined in §60.332(b) shall comply with one of the following:

(1) No owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any stationary gas turbine, any gases which contain

nitrogen oxides in excess of:

$$STD = 0.0075 \left( 14.4 / Y \right) + F$$

where:

STD=allowable NOx emissions (percent by volume at 15 percent oxygen and on a dry basis).

Y=manufacturer's rated heat rate at manufacturer's rated load (kilojoules per watt hour) or, actual measured heat rate based on lower heating value of fuel as measured at actual peak load for the facility. The value of Y shall

exceed 14.4 kilojoules per watt hour.

F=NOx emission allowance for fuel-bound nitrogen as defined as follows:

F shall be defined according to the nitrogen content of the fuel as follows:

-----  
-----  
-----

-----  
Fuel-bound nitrogen  
by

F (NOx percent



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(percent by weight)  
volume)

-----

-----

N0.015.....

0

0.015< N0.1.....

0.04(N)

0.1< N0.25.....

0.004+0.0067(N-0.1)

N>0.25.....

0.005

-----

-----

-----

-----

where:

N=the nitrogen content of the fuel (percent by weight).

or:

Manufacturers may develop custom fuel-bound nitrogen allowances for each gas turbine model they manufacture. These fuel-bound nitrogen allowances shall be substantiated with data and must be approved for use by the Administrator before the initial performance test required by Sec. 60.8. Notices of approval of custom fuel-bound nitrogen allowances will be published in the Federal Register.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-74: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requireme40CFR 60.333(a), NSPS Subpart GG**

**Item 1-74.1:**

The Compliance Demonstration activity will be performed for:



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Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 1-74.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IN FUEL OIL UNDER 40 CFR 60  
IS LIMITED TO 0.8 PERCENT BY  
ER 40 CFR 52.21 (BACT) SULFUR  
JEL OIL IS LIMITED TO A MORE  
VE 0.05 PERCENT BY WEIGHT.  
) 40 CFR 60.13 (i), COMPLIANCE  
T GG REQUIREMENT SHALL BE  
OUGH COMPLIANCE WITH THE  
ENT IN OTHER CONDITIONS IN

THIS PERMIT.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 100: Compliance Demonstration**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requireme40CFR 60.333(b), NSPS Subpart GG**

**Item 100.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 100.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

. PARAMETERS AS SURROGATE

Monitoring Description:



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

specified in 40CFR60.334(i).

ored: SULFUR CONTENT

Upper Permit Limit: 0.8 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 101: CEMS**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requireme40CFR 60.334(b), NSPS Subpart GG**

**Item 101.1:**

This Condition applies to Emission Unit: 1-CTDBR

**Item 101.2:**

The owner or operator of any stationary gas turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and which uses water or steam injection to control NOX emissions may, as an alternative to operating the continuous monitoring system described in paragraph (a) of this section, install, certify, maintain, operate, and quality-assure a continuous emission monitoring system (CEMS) consisting of NOX and O2 monitors. As an alternative, a CO2 monitor may be used to adjust the measured NOX concentrations to 15 percent O2 by either converting the CO2 hourly averages to equivalent O2 concentrations using Equation F-14a or F-14b in appendix F to 40 CFR Part 75 and making the adjustments to 15 percent O2, or by using the CO2 readings directly to make the adjustments, as described in Method 20. If the option to use a CEMS is chosen, the CEMS shall be installed, certified, maintained and operated as specified in 40 CFR 60.334(b)(1), (2) and (3).

**Condition 102: Compliance Demonstration**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirer40CFR 60.334(i)(1), NSPS Subpart GG**

**Item 102.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 102.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



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**Monitoring Description:**

The frequency of determining the sulfur and nitrogen content of the fuel shall be as follows: For fuel oil, use one of the total sulfur sampling options and the associated sampling frequency described in sections 2.2.3, 2.2.4.1, 2.2.4.2, and 2.2.4.3 of appendix D of 40 CFR Part 75 (i.e., flow proportional sampling, daily sampling, sampling from the unit's storage tank after each addition of fuel to the tank, or sampling each delivery prior to combining it with fuel oil already in the intended storage tank). If an emission allowance is being claimed for fuel-bound nitrogen, the nitrogen content of the oil shall be determined and recorded once per unit operating day.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 2-22: Test methods and procedures for NO<sub>x</sub> emission testing**  
**Effective between the dates of 06/23/2005 and Permit Expiration Date**

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

**Replaces Condition(s) 131, 211**

**Item 2-22.1:**

This Condition applies to Emission Unit: 1-CTDBR

**Item 2-22.2:**

The owner or operator shall determine compliance with the applicable nitrogen oxides emission limitation in §60.332 and shall meet the performance test requirements of §60.8 as follows:

(1) For each run of the performance test, the mean nitrogen oxides emission concentration (NO<sub>xo</sub>) corrected to 15 percent O<sub>2</sub> shall be corrected to ISO standard conditions using the following equation. Notwithstanding this requirement, use of the ISO correction equation is optional for: Lean premix stationary combustion turbines; units used in association with heat recovery steam generators (HRSG) equipped with duct burners; and units equipped with add-on emission control devices:

$$NO_x = (NO_{xo}) (Pr/Po)^{0.5} e^{19 (Ho - 0.00633) (288^\circ K / Ta)} 1.53$$

Where:

NO<sub>x</sub> = emission concentration of NO<sub>x</sub> at 15 percent O<sub>2</sub> and ISO standard ambient conditions, ppm by volume, dry basis, NO<sub>xo</sub> = mean observed NO<sub>x</sub> concentration, ppm by volume, dry basis, at 15 percent O<sub>2</sub>, Pr = reference combustor inlet absolute pressure at 101.3 kilopascals ambient pressure, mm Hg, Po = observed combustor inlet absolute pressure at test, mm Hg, Ho = observed humidity of ambient air, g H<sub>2</sub>O/g air, e = transcendental constant, 2.718, and Ta = ambient temperature, °K.

(2) The 3-run performance test required by §60.8 must be performed within ±5 percent at 30, 50, 75, and



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90-to-100 percent of peak load or at four evenly-spaced load points in the normal operating range of the gas turbine, including the minimum point in the operating range and 90-to-100 percent of peak load, or at the highest achievable load point if 90-to-100 percent of peak load cannot be physically achieved in practice. If the turbine combusts both oil and gas as primary or backup fuels, separate performance testing is required for each fuel. Notwithstanding these requirements, performance testing is not required for any emergency fuel (as defined in §60.331).

(3) For a combined cycle turbine system with supplemental heat (duct burner), the owner or operator may elect to measure the turbine NO<sub>x</sub> emissions after the duct burner rather than directly after the turbine. If the owner or operator elects to use this alternative sampling location, the applicable NO<sub>x</sub> emission limit in §60.332 for the combustion turbine must still be met.

(4) If water or steam injection is used to control NO<sub>x</sub> with no additional post-combustion NO<sub>x</sub> control and the owner or operator chooses to monitor the steam or water to fuel ratio in accordance with §60.334(a), then that monitoring system must be operated concurrently with each EPA Method 20, ASTM D6522-00 (incorporated by reference, see §60.17), or EPA Method 7E run and shall be used to determine the fuel consumption and the steam or water to fuel ratio necessary to comply with the

NO<sub>x</sub> emission limit.

(5) If the owner operator elects to claim an emission allowance for fuel bound nitrogen as described in §60.332, then concurrently with each reference method run, a representative sample of the fuel used shall be collected and analyzed, following the applicable procedures described in §60.335(b)(9). These data shall be used to determine the maximum fuel nitrogen content for which the established water (or steam)

ratio will be valid.

(6) If the owner or operator elects to install a CEMS, the performance evaluation of the CEMS may either be conducted separately (as described in paragraph (b)(7) of this section) or as part of the initial

of the affected unit.

(7) If the owner or operator elects to install and certify a NO<sub>x</sub> CEMS under §60.334(e), then the initial performance test required under §60.8 may be done in the following alternative manner:

(i) Perform a minimum of 9 reference method runs, with a minimum time per run of 21 minutes, at a single load level, between 90 and 100 percent of peak (or the highest physically achievable) load.

(ii) Use the test data both to demonstrate compliance with the applicable NO<sub>x</sub> emission limit under §60.332 and to provide the required reference method data for the RATA of the CEMS described under §60.334(b).

(iii) The requirement to test at three additional load levels is waived.

(8) If the owner or operator is required under §60.334(f) to monitor combustion parameters or parameters indicative of proper operation of NO<sub>x</sub> emission controls, the appropriate parameters shall be continuously monitored and recorded during each run of the initial performance test, to establish acceptable operating ranges, for purposes of the parameter monitoring plan for the affected unit, as specified in §60.334(g).



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(9) To determine the fuel bound nitrogen content of fuel being fired (if an emission allowance is claimed for fuel bound nitrogen), the owner or operator may use equipment and procedures meeting the requirements of:

(i) For liquid fuels, ASTM D2597–94 (Reapproved 1999), D6366–99, D4629–02, D5762–02 (all of which are incorporated by reference, see §60.17); or

(ii) For gaseous fuels, shall use analytical methods and procedures that are accurate to within 5 percent of the instrument range and are approved by the Administrator.

(10) If the owner or operator is required under §60.334(i)(1) or (3) to periodically determine the sulfur content of the fuel combusted in the turbine, a minimum of three fuel samples shall be collected during the performance test. Analyze the samples for the total sulfur content of the fuel using:

(i) For liquid fuels, ASTM D129–00, D2622–98, D4294–02, D1266–98, D5453–00 or D1552–01 (all of which are incorporated by reference, see §60.17); or

(ii) For gaseous fuels, ASTM D1072–80, 90 (Reapproved 1994); D3246–81, 92, 96; D4468–85 (Reapproved 2000); or D6667–01 (all of which are incorporated by reference, see §60.17). The applicable ranges of some ASTM methods mentioned above are not adequate to measure the levels of sulfur in some fuel gases. Dilution of samples before analysis (with verification of the dilution ratio) may be used, subject to the prior approval of the Administrator.

(11) The fuel analyses required under paragraphs (b)(9) and (b)(10) of this section may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency.

**Condition 103: Facility Subject to Title IV Acid Rain Regulations and Permitting**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 72**

**Item 103.1:**

This Condition applies to Emission Unit: 1-CTDBR

**Item 103.2:**

This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is an attachment to this permit.

**Condition 1-77: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Item 1-77.1:**

The Compliance Demonstration activity will be performed for:





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Emission Unit: 1-CTDBR  
Process: C01

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

**Item 1-77.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

FROM PROCESS C01 SHALL NOT  
OV AT 15% OXYGEN, IN ORDER  
TH THE LOWEST ACHIEVABLE  
(LAER) REQUIREMENTS. THIS  
N LIMIT IS MET THROUGH THE  
AN OXIDATION CATALYST. A  
K TEST SHALL BE PERFORMED  
YS OF COMBUSTION TURBINE

STARTUP.

PERATION OF THE OXIDATION  
ALL BE DEMONSTRATED ON A  
IS THROUGH CO MONITORING  
! CONDITIONS OF THIS PERMIT.

Upper Permit Limit: 1.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)  
ethod: EPA METHOD 25A  
: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-78: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Item 1-78.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C01

Regulated Contaminant(s):



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

**Item 1-78.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

FROM PROCESS C01 SHALL NOT  
ADV AT 15% OXYGEN, EXCEPT  
OF STARTUP AND SHUTDOWN,  
O COMPLY WITH THE LOWEST  
VARIABLE EMISSION RATE (LAER)  
5. THIS EMISSION LIMIT IS MET  
APPLICATION OF DRY LOW NOX  
S AND SELECTIVE CATALYTIC  
N. A CONTINUOUS EMISSIONS  
IG SYSTEM SHALL BE USED TO  
COMPLIANCE WITH THIS LIMIT.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 2.0 parts per million by volume

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

d: PART 60 APP B AND F

Frequency: CONTINUOUS

UR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)

Initial Report Due: 04/21/2005 for the period 03/01/2005 through 03/22/2005

**Condition 105: Compliance Demonstration**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Item 105.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C01

Regulated Contaminant(s):

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

**Item 105.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:



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SIONS FROM PROCESS C01 ARE  
PERATURE DEPENDENT. NOX  
ALL NOT EXCEED 14.59 LB/HR .  
MISSIONS MONITORING SYSTEM  
DEMONSTRATE COMPLIANCE  
THIS LIMIT. The 14.59 pound per  
hour limit is for each turbine, 'per  
unit'. There are two turbines in this  
emission unit and process C01.

Manufacturer Name/Model Number: to be determined  
Upper Permit Limit: 14.59 pounds per hour

Method: Part 60 APP B & F  
Frequency: CONTINUOUS  
FOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

tial report is due 1/30/2005.

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

**Condition 2-23: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 2-23.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C01

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

**Item 2-23.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

FROM PROCESS C01 SHALL NOT  
1 LB/MMBTU, EXCEPT DURING  
OF STARTUP, SHUTDOWN, OR  
ORDER TO COMPLY WITH THE  
CONTROL TECHNOLOGY (BACT)  
REQUIREMENTS.

LIANCE STACK TEST SHALL BE



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MIN 180 DAYS OF COMBUSTION

TURBINE TRAIN STARTUP.

Upper Permit Limit: 0.001 pounds per million Btus

Method: EPA METHOD 25

: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-79: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-79.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C01

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 1-79.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

FROM PROCESS C01 SHALL NOT  
EXCEED 15% OXYGEN, IN ORDER  
TO MEET THE BEST AVAILABLE CONTROL  
(BACT) REQUIREMENTS. THIS  
EMISSION LIMIT IS MET THROUGH THE  
USE OF AN OXIDATION CATALYST. A  
CONTINUOUS MONITORING SYSTEM  
WILL DEMONSTRATE COMPLIANCE

WITH THIS LIMIT.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 2.0 parts per million by volume

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

Method: PART 60 APP B AND F

Frequency: CONTINUOUS

Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



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Initial report is due 7/30/2005.

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

**Condition 1-80: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-80.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C01

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 1-80.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

EMISSIONS FROM PROCESS C01 ARE  
TEMPERATURE DEPENDENT. CO  
LIMIT SHALL NOT EXCEED 8.88 LB/HR ..  
CONTINUOUS EMISSIONS MONITORING SYSTEM  
DEMONSTRATE COMPLIANCE

WITH THIS LIMIT.

CO limit of 8.88 pounds per hour is  
for each turbine, 'per unit'. There are  
two turbines in this emission unit and  
this process.

Manufacturer Name/Model Number: TO BE DETERMINED

Limit: 8.88 pounds per hour  
Standard: PART 60 APP B AND F  
Frequency: CONTINUOUS  
Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-81: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**



**New York State Department of Environmental Conservation**

**814-00052/00001 Facility DEC ID: 4381400052**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-81.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C01

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 1-81.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IDE AND SULFURIC ACID MIST  
M PROCESS C01 COMPLY WITH  
ONTROL TECHNOLOGY (BACT)  
ROUGH THE USE OF NATURAL  
S FUEL. This process must meet a  
sulfur dioxide emission limit of 1.67  
pounds per hour; and a sulfuric acid  
ssion limit of 0.52 pounds per hour.  
se pound per hour limits are for each  
turbine, 'per unit.' There are two  
turbines in this emission unit and

process.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-82: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-82.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C01

Regulated Contaminant(s):

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



**New York State Department of Environmental Conservation**

**814-00052/00001 Facility DEC ID: 4381400052**

**Item 1-82.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FROM THE PROCESS C01 SHALL  
0.012 LB PER MMBTU, EXCEPT  
OF STARTUP AND SHUTDOWN,  
IN ORDER TO COMPLY WITH THE BEST  
CONTROL TECHNOLOGY (BACT)

REQUIREMENTS.

COMPLIANCE STACK TEST SHALL BE  
PERFORMED WITHIN 180 DAYS OF COMBUSTION

TURBINE TRAIN STARTUP.

Upper Permit Limit: 0.012 pounds per million Btus

Method: Method 201A/202  
: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-83: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-83.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C01

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

**Item 1-83.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FROM THE PROCESS C01 SHALL  
0.012 LB/HR, IN ORDER TO COMPLY



**New York State Department of Environmental Conservation**

**814-00052/00001 Facility DEC ID: 4381400052**

THE BEST AVAILABLE CONTROL  
TECHNOLOGY (BACT) REQUIREMENTS. A  
STACK TEST SHALL BE PERFORMED  
WITHIN 180 DAYS OF COMBUSTION TURBINE  
TRAIN STARTUP.

The emission limit of 13.0 pounds per  
hour is for each turbine, 'per unit'.  
There are two turbines in this emission  
unit and process.

Limit: 13.0 pounds per hour  
Method: EPA METHOD 5  
: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-84: Compliance Demonstration**  
**Effective between the dates of 03/01/2005 and Permit Expiration Date**

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

**Item 1-84.1:**  
The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C01

Regulated Contaminant(s):  
CAS No: 000000-00-0 PARTICULATES

**Item 1-84.2:**  
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

FROM PROCESS C01 SHALL NOT  
EXCEED 13.0 MMBTU, EXCEPT DURING  
STARTUP AND SHUTDOWN, IN ORDER  
TO MEET THE BEST AVAILABLE CONTROL  
TECHNOLOGY (BACT) REQUIREMENTS.

A COMPLIANCE STACK TEST SHALL BE  
PERFORMED WITHIN 180 DAYS OF COMBUSTION  
TURBINE TRAIN STARTUP.





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Upper Permit Limit: 0.012 pounds per million Btus

Test Method: Method 5

: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-85: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-85.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C01

Regulated Contaminant(s):

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

**Item 1-85.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSIONS FROM THE PROCESS C01

DO NOT EXCEED 13.0 LB/HR, IN ORDER TO

MEET THE BEST AVAILABLE CONTROL

TECHNOLOGY (BACT) REQUIREMENTS. A

QUALITY ASSURANCE TEST SHALL BE PERFORMED

ON EACH OF THE COMBUSTION TURBINE

UNIT DURING TRAIN STARTUP.

The emission limit of 13.0 pounds per

hour is for each turbine, 'per unit'.

There are two turbines in this emission

unit and process.

Limit: 13.0 pounds per hour

EPA METHOD 201A/202

: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED



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**814-00052/00001 Facility DEC ID: 4381400052**

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 109: Compliance Demonstration**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 109.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C01

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 109.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

FROM PROCESS C01 SHALL NOT  
EXCEED 2.0 PPMV AT 15% OXYGEN, IN ORDER  
TO MEET THE BEST AVAILABLE CONTROL  
(BACT) REQUIREMENTS. THIS  
LIMIT IS MET THROUGH THE  
USE OF AN OXIDATION CATALYST. A  
CONTINUOUS MONITORING SYSTEM  
SHALL BE USED TO DEMONSTRATE COMPLIANCE

WITH THIS LIMIT.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 2.0 parts per million by volume

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

Method: PART 60 APP B AND F

Frequency: CONTINUOUS

Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 1/30/2005.

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

**Condition 114: Compliance Demonstration**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 225-1.7(c)**



**New York State Department of Environmental Conservation**  
**814-00052/00001 Facility DEC ID: 4381400052**

**Item 114.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C02

**Item 114.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Part 225-1.7(c) requires that measurements must be made daily of the rate of each fuel burned. The gross heat content and ash content of each fuel burned must be determined at least once each week. This information must be retained by the source owner for a period of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-86: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 227-1.2(a)(1)**

**Item 1-86.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C02

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

**Item 1-86.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

TE EMISSIONS FROM FUEL OIL  
.NOT EXCEED 0.10 LB/MMBTU,  
NG PERIODS OF STARTUP AND  
MPLIANCE STACK TEST SHALL  
EACH COMBUSTION TURBINE  
WITHIN 180 DAYS OF STARTUP.



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Upper Permit Limit: 0.10 pounds per million Btus

Method: EPA METHOD 5

: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-87: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Item 1-87.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDDBR

Process: C02

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 1-87.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FROM PROCESS C02 SHALL NOT  
OV AT 15% OXYGEN, IN ORDER  
TH THE LOWEST ACHIEVABLE  
(LAER) REQUIREMENTS. THIS  
N LIMIT IS MET THROUGH THE  
AN OXIDATION CATALYST. A  
K TEST SHALL BE PERFORMED  
COMBUSTION TURBINE TRAIN  
?. PROPER OPERATION OF THE  
ST SHALL BE DEMONSTRATED  
TINUOUS BASIS THROUGH CO  
R OTHER CONDITIONS OF THIS

PERMIT.

Upper Permit Limit: 2.0 parts per million by volume

(dry, corrected to 15% O2)

Method: EPA METHOD 25A

: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED



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Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-88: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Item 1-88.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C02

Regulated Contaminant(s):

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

**Item 1-88.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

EMISSIONS FROM PROCESS C02 ARE  
TEMPERATURE DEPENDENT. NOX  
LEVELS SHALL NOT EXCEED 74.04 LB/HR..  
CONTINUOUS EMISSIONS MONITORING  
SYSTEM SHALL BE USED TO  
VERIFY COMPLIANCE WITH THIS

LIMIT.

This emission limit is for each turbine,  
'per unit'. There are two turbines in  
this emission unit and process.

Manufacturer Name/Model Number: to be determined

Upper Permit Limit: 74.04 pounds per hour

Method: PART 60 APP B & F

Frequency: CONTINUOUS

FOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-89: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**



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**814-00052/00001 Facility DEC ID: 4381400052**

**Applicable Federal Requirement:** **6NYCRR 231-2.5(a)**

**Item 1-89.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C02

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

**Item 1-89.2:**

Compliance Demonstration shall include the following monitoring:

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

FROM PROCESS C02 SHALL NOT  
/D AT 15% OXYGEN, IN ORDER  
TH THE LOWEST ACHIEVABLE  
(LAER) REQUIREMENTS. THIS  
N LIMIT IS MET THROUGH THE  
ON OF WATER INJECTION AND  
VE CATALYTIC REDUCTION. A  
SSIONS MONITORING SYSTEM  
DEMONSTRATE COMPLIANCE

WITH THIS LIMIT.

Manufacturer Name/Model Number: TO BE DETERMINED  
Upper Permit Limit: 9.0 parts per million by volume

(dry, corrected to 15% O2)

d: PART 60 APP B AND F  
Frequency: CONTINUOUS  
UR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 2-24: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

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

**Item 2-24.1:**

The Compliance Demonstration activity will be performed for:



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**814-00052/00001 Facility DEC ID: 4381400052**

Emission Unit: 1-CTDBR  
Process: C02

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

**Item 2-24.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

FROM PROCESS C02 SHALL NOT  
9 LB/MMBTU, EXCEPT DURING  
OF STARTUP, SHUTDOWN, OR  
ORDER TO COMPLY WITH THE  
CONTROL TECHNOLOGY (BACT)  
REQUIREMENTS.

LIANCE STACK TEST SHALL BE  
IIN 180 DAYS OF COMBUSTION  
TURBINE TRAIN STARTUP.

Upper Permit Limit: 0.00199 pounds per million Btus  
Method: EPA METHOD 25  
: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-25: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

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

**Replaces Condition(s) 1-96**

**Item 2-25.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C02

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

**Item 2-25.2:**

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FROM PROCESS CO2 SHALL NOT  
PER MMBTU, EXCEPT DURING  
STARTUP AND SHUTDOWN, IN  
ACCORDANCE WITH THE BEST AVAILABLE  
CONTROL TECHNOLOGY (BACT) REQUIREMENTS.

COMPLIANCE STACK TEST SHALL BE  
PERFORMED WITHIN 180 DAYS OF COMBUSTION

TURBINE TRAIN STARTUP.

Upper Permit Limit: 0.037 pounds per million Btus

Test Method: Method 5  
: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-91: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-91.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: CO2

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

**Item 1-91.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

IDE AND SULFURIC ACID MIST  
M PROCESS CO2 COMPLY WITH  
ABLE CONTROL TECHNOLOGY  
MENTS THROUGH THE USE OF  
DISTILLATE OIL WITH A SULFUR  
OF 0.05% BY WEIGHT OR LESS.  
BE DEMONSTRATED THROUGH





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AMPLING AND ANALYSIS - ONE

PLIER PER DAY WHEN FIRING

FUEL OIL.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Material: NUMBER 2 OIL

ored: SULFUR CONTENT

Upper Permit Limit: 0.05 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-92: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-92.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDDBR

Process: C02

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 1-92.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

FROM PROCESS C02 SHALL NOT  
EXCEED 100 PPMV AT 15% OXYGEN, IN ORDER  
TO MEET THE BEST AVAILABLE CONTROL  
(BACT) REQUIREMENTS. THIS  
LIMIT IS MET THROUGH THE  
USE OF AN OXIDATION CATALYST. A  
CONTINUOUS MONITORING SYSTEM  
SHALL BE USED TO DEMONSTRATE COMPLIANCE

WITH THIS LIMIT.

Manufacturer Name/Model Number: TO BE DETERMINED



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Upper Permit Limit: 4.0 parts per million by volume

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

d: PART 60 APP B AND F

Frequency: CONTINUOUS

Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-93: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-93.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDDBR

Process: C02

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 1-93.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

EMISSIONS FROM PROCESS C02 ARE  
TEMPERATURE DEPENDENT. CO  
ALL NOT EXCEED 20.03 LB/HR..  
EMISSIONS MONITORING SYSTEM  
DEMONSTRATE COMPLIANCE

WITH THIS LIMIT.

This emission limit is for each turbine,  
'per unit'. There are two turbines in  
this emission unit and process.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 20.03 pounds per hour

d: PART 60 APP B AND F

Frequency: CONTINUOUS

Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



**New York State Department of Environmental Conservation**

**814-00052/00001 Facility DEC ID: 4381400052**

Initial report is due 7/30/2005.

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

**Condition 1-94: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-94.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C02

Regulated Contaminant(s):

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

**Item 1-94.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSIONS FROM PROCESS C02 SHALL  
BE LESS THAN 0.037 LB PER MMBTU, EXCEPT  
DURING STARTUP AND SHUTDOWN,  
AND SHALL COMPLY WITH THE BEST  
AVAILABLE CONTROL TECHNOLOGY (BACT)

REQUIREMENTS.

COMPLIANCE STACK TEST SHALL BE  
PERFORMED WITHIN 180 DAYS OF COMBUSTION

TURBINE TRAIN STARTUP.

Upper Permit Limit: 0.037 pounds per million Btus

Method: Part 60 201A/202

Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-95: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-95.1:**

The Compliance Demonstration activity will be performed for:



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**814-00052/00001 Facility DEC ID: 4381400052**

Emission Unit: 1-CTDBR  
Process: C02

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

**Item 1-95.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

FROM THE PROCESS C02 SHALL  
0 LB/HR, IN ORDER TO COMPLY  
IE BEST AVAILABLE CONTROL  
GY (BACT) REQUIREMENTS. A  
K TEST SHALL BE PERFORMED  
YS OF COMBUSTION TURBINE  
TRAIN STARTUP.

his emission limit is for each turbine  
nly, 'per unit'. There are two turbines  
in this emission unit and process.

imit: 75.0 pounds per hour  
Method: EPA METHOD 5  
: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-97: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-97.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C02

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

**Item 1-97.2:**

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSIONS FROM THE PROCESS CO2  
DO NOT EXCEED 75.0 LB/HR , IN ORDER TO  
MEET THE BEST AVAILABLE CONTROL  
TECHNOLOGY (BACT) REQUIREMENTS. A  
BATCH TEST SHALL BE PERFORMED  
DURING THE STARTUP OF COMBUSTION TURBINE  
TRAIN STARTUP.

This emission limit is for each turbine,  
'per unit'. There are two turbines in  
this emission unit and process.

Limit: 75.0 pounds per hour

Reference Test Method: EPA METHODS 201A/202

Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 120: Compliance Demonstration**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 120.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: CO2

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 120.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IDE AND SULFURIC ACID MIST  
M PROCESS CO2 COMPLY WITH  
CONTROL TECHNOLOGY (BACT)  
ROUGH THE USE OF NATURAL  
GAS FUEL. This process must meet a



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Sulfur dioxide emission limit of 105.77  
pounds per hour; and a sulfuric acid  
emission limit of 33.22 pounds per  
hour.

✓ LIMIT IS FOR EACH TURBINE,  
THERE ARE TWO TURBINES IN  
EMISSION UNIT AND PROCESS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Exemption from NOx standard.**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.332(f), NSPS Subpart GG**

**Item 128.1:**

This Condition applies to Emission Unit: 1-CTDBR  
Process: C02

**Item 128.2:**

Gas turbines using water or steam injection to control NOx are exempt from section 332.a when ice fog  
is a traffic hazard.

**Condition 1-100: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

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

**Item 1-100.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C02

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

**Item 1-100.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(c) For the purpose of reports required under Sec.  
60.7(c), periods



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of excess emissions that shall be reported are defined as follows:

(1) Nitrogen oxides. Any one-hour period during which the average water-to-fuel ratio, as measured by the continuous monitoring system, falls below the water-to-fuel ratio determined to demonstrate compliance with Sec. 60.332 by the performance test required in Sec. 60.8 or any period during which the fuel-bound nitrogen of the fuel is greater than the maximum nitrogen content allowed by the fuel-bound nitrogen allowance used during the performance test required in Sec. 60.8. Each report shall include the average water-to-fuel ratio, average fuel consumption, ambient conditions, gas turbine load, and nitrogen content of the fuel during the period of excess emissions, and the graphs or

ures developed under Sec. 60.335(a).

Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-101: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Require40CFR 60.334(c)(2), NSPS Subpart GG**

**Item 1-101.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C02

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

**Item 1-101.2:**

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(c) For the purpose of reports required under Sec. 60.7(c), periods of excess emissions that shall be reported are defined as follows:

(2) Sulfur dioxide. Any daily period during which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8 percent.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-102: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40 CFR 60.334(c)(3), NSPS Subpart GG**

**Item 1-102.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDDBR

Process: C02

**Item 1-102.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(3) Ice fog. Each period during which an exemption provided in Sec. 60.332(f) is in effect shall be reported in writing to the Administrator quarterly. For each period the ambient conditions existing during the period, the date and time the air pollution control system was deactivated, and the date and time the air pollution control system was reactivated shall be reported. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter.





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(4) Emergency fuel. Each period during which an exemption provided in Sec. 60.332(k) is in effect shall be included in the report required in Sec. 60.7(c). For each period, the type, reasons, and duration of the firing

the emergency fuel shall be reported.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 2-26: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.334(j), NSPS Subpart GG**

**Item 2-26.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C02

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 2-26.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each affected unit required to continuously monitor parameters or emissions, or to periodically determine the fuel sulfur content or sulfur content under subpart GG, the owner/operator shall submit reports of excess emissions and monitor downtime, in accordance with §60.7(c). Excess emissions shall be reported for all periods of unit operation, including startup, shutdown, and malfunction. For the purpose of reports required under §60.7(c), periods of excess emissions and monitor downtime that shall be reported are defined as follows for facilities that are required to monitor the sulfur content

of the fuel under §60.334(h):

- For samples of gaseous fuel and for oil samples obtained



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using daily sampling, flow proportional sampling, or sampling from the unit's storage tank, an excess emission occurs each unit operating hour included in the period beginning on the date and hour of any sample for which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8% by weight and ending on the date and hour that a subsequent sample is taken that demonstrates

compliance with the sulfur limit.

- If the option to sample each delivery of fuel oil has been selected, the owner/operator shall immediately switch to one of the other oil sampling options (i.e., daily sampling, flow proportional sampling, or sampling from the unit's storage tank) if the sulfur content of a delivery exceeds 0.8% by weight. The owner/operator shall continue to use one of the other sampling options until all of the oil from the delivery has been combusted, and shall evaluate excess emissions according to §60.334(j)(2)(i). When all of the fuel from the delivery has been burned, the owner/operator may resume using the as-delivered sampling option.

- A period of monitor downtime begins when a required sample is not taken by its due date. A period of monitor downtime also begins on the date and hour of a required sample, if invalid results are obtained. The period of monitor downtime shall include only unit operating hours, and ends on the date and hour of the next valid sample.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-104: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Item 1-104.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03



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

**Item 1-104.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FROM PROCESS C03 SHALL NOT  
DV AT 15% OXYGEN, IN ORDER  
TH THE LOWEST ACHIEVABLE  
(LAER) REQUIREMENTS. THIS  
N LIMIT IS MET THROUGH THE  
AN OXIDATION CATALYST. A  
K TEST SHALL BE PERFORMED  
YS OF COMBUSTION TURBINE  
ND ANNUALLY THERE AFTER.

PERATION OF THE OXIDATION  
ALL BE DEMONSTRATED ON A  
IS THROUGH CO MONITORING  
2 CONDITIONS IN THIS PERMIT.

Upper Permit Limit: 7.0 parts per million by volume  
(dry, corrected to 15% O2)

ethod: EPA METHOD 25A  
: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-105: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Item 1-105.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C03

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

**Item 1-105.2:**

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

FROM PROCESS C03 SHALL NOT  
DV AT 15% OXYGEN, IN ORDER  
TH THE LOWEST ACHIEVABLE  
(LAER) REQUIREMENTS. THIS  
N LIMIT IS MET THROUGH THE  
LOW NOX COMBUSTORS AND  
VE CATALYTIC REDUCTION. A  
SSIONS MONITORING SYSTEM  
DEMONSTRATE COMPLIANCE

WITH THIS LIMIT.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 3.0 parts per million by volume

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

d: PART 60 APP B AND F

Frequency: CONTINUOUS

FOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-106: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Item 1-106.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

Regulated Contaminant(s):

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

**Item 1-106.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

SIONS FROM PROCESS C03 ARE  
PERATURE DEPENDENT. NOX  
ALL NOT EXCEED 28.90 LB/HR .



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MISSIONS MONITORING SYSTEM  
DEMONSTRATE COMPLIANCE

WITH THIS LIMIT.

his emission limit is for each turbine,  
'per unit'. There are two turbines in  
this emission unit and process.

Manufacturer Name/Model Number: TO BE DETERMINED

d: PART 60 APP B AND F

Frequency: CONTINUOUS

FOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 2-27: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 2-27.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

Regulated Contaminant(s):

CAS No: 000000-00-0 VOC

**Item 2-27.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FROM PROCESS C03 SHALL NOT  
5 LB/MMBTU, EXCEPT DURING  
OF STARTUP, SHUTDOWN, OR  
ORDER TO COMPLY WITH THE  
CONTROL TECHNOLOGY (BACT)

REQUIREMENTS.

LIANCE STACK TEST SHALL BE  
IN 180 DAYS OF COMBUSTION



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**TURBINE TRAIN STARTUP.**

Upper Permit Limit: 0.00745 pounds per million Btus

Method: EPA METHOD 25  
: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-107: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-107.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C03

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

**Item 1-107.2:**

Compliance Demonstration shall include the following monitoring:

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

FROM PROCESS C03 SHALL NOT  
EXCEED 5.0 PPMV AT 15% OXYGEN, IN ORDER  
TO MEET THE BEST AVAILABLE CONTROL  
(BACT) REQUIREMENTS. THIS  
LIMIT IS MET THROUGH THE  
USE OF AN OXIDATION CATALYST. A  
CONTINUOUS MONITORING SYSTEM  
SHALL BE USED TO DEMONSTRATE COMPLIANCE

WITH THIS LIMIT.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 5.0 parts per million by volume

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

Method: PART 60 APP B AND F

Frequency: CONTINUOUS

Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Compliance report is due 7/30/2005.



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

**Condition 1-108: Compliance Demonstration**  
**Effective between the dates of 03/01/2005 and Permit Expiration Date**

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

**Item 1-108.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C03

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

**Item 1-108.2:**

Compliance Demonstration shall include the following monitoring:

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

EMISSIONS FROM PROCESS C03 ARE  
TEMPERATURE DEPENDENT. CO  
CONCENTRATIONS SHALL NOT EXCEED 29.3 LB/HR. A  
MONITORING SYSTEM SHALL BE  
INSTALLED TO MONITOR RATE COMPLIANCE WITH THIS  
LIMIT.

This emission limit is for each turbine,  
'per unit'. There are two turbines in  
this emission unit and process.

Manufacturer Name/Model Number: TO BE DETERMINED

Limit: 29.3 pounds per hour  
Standard: PART 60 APP B AND F  
Frequency: CONTINUOUS  
Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-109: Compliance Demonstration**  
**Effective between the dates of 03/01/2005 and Permit Expiration Date**

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



**Item 1-109.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C03

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

**Item 1-109.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

IDE AND SULFURIC ACID MIST  
M PROCESS C03 COMPLY WITH  
ONTROL TECHNOLOGY (BACT)  
ROUGH THE USE OF NATURAL  
S FUEL. This process must meet a  
sulfur dioxide emission limit of 2.21  
pounds per hour; and a sulfuric acid  
ist emission limit of 0.87 pounds per  
E LB/HR LIMITS ARE FOR EACH  
E, 'PER UNIT.' THERE ARE TWO  
S IN THIS EMISSION UNIT AND  
PROCESS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-110: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-110.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C03

**Item 1-110.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES





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**Monitoring Description:**

AL GAS FIRING, THE MAXIMUM  
ITY OF EACH DUCT BURNER IS  
, AND 527.8 MMBTU/HR WHEN  
3INE TRAINS ARE OPERATING.  
NTING THE MAXIMUM DESIGN  
THE DUCT BURNERS SHALL BE

KEPT ON SITE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-111: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-111.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C03

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

**Item 1-111.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NS FROM PROCESS C03 SHALL  
0.017 LB PER MMBTU, EXCEPT  
OF STARTUP AND SHUTDOWN,  
R TO COMPLY WITH THE BEST  
ONTROL TECHNOLOGY (BACT)

REQUIREMENTS.

LIANCE STACK TEST SHALL BE  
IIN 180 DAYS OF COMBUSTION

TURBINE TRAIN STARTUP.

Upper Permit Limit: 0.017 pounds per million Btus

Method: Method 201A/202  
: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST



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METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-112: Compliance Demonstration**  
**Effective between the dates of 03/01/2005 and Permit Expiration Date**

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

**Item 1-112.1:**  
The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C03

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

**Item 1-112.2:**  
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

FROM THE PROCESS C03 SHALL  
0 LB/HR, IN ORDER TO COMPLY  
THE BEST AVAILABLE CONTROL  
TECHNOLOGY (BACT) REQUIREMENTS. A  
BLACK TEST SHALL BE PERFORMED  
ONCE PER YEAR OF THE COMBUSTION TURBINE  
DURING TRAIN STARTUP.

This emission limit is for each turbine,  
'per unit'. There are two turbines in  
this emission unit and process.

Limit: 35.0 pounds per hour  
Method: EPA METHOD 5  
Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-113: Compliance Demonstration**  
**Effective between the dates of 03/01/2005 and Permit Expiration Date**

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



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**Item 1-113.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-113.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FROM PROCESS C03 SHALL NOT  
PER MMBTU, EXCEPT DURING  
JP AND SHUTDOWN, IN ORDER  
THE BEST AVAILABLE CONTROL  
TECHNOLOGY (BACT) REQUIREMENTS.

COMPLIANCE STACK TEST SHALL BE  
PERFORMED EVERY 180 DAYS OF COMBUSTION

TURBINE TRAIN STARTUP.

Upper Permit Limit: 0.017 pounds per million Btus

Reference Test Method: Method 5

Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-114: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-114.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

Regulated Contaminant(s):

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

**Item 1-114.2:**



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Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

SIONS FROM THE PROCESS C03  
CEED 35.0 LB/HR, IN ORDER TO  
IE BEST AVAILABLE CONTROL  
GY (BACT) REQUIREMENTS. A  
K TEST SHALL BE PERFORMED  
.YS OF COMBUSTION TURBINE  
TRAIN START UP.

his emission limit is for each turbine,  
'per unit'. There are two turbines in  
this emission unit and process.

imit: 35.0 pounds per hour

Reference Test Method: EPA METHODS 201A/202

: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-115: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Require40CFR 60.42a(a)(1), NSPS Subpart Da**

**Item 1-115.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-115.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

CFR 60.42a(a)(1), NSPS Subpart Da

On and after the date on which the performance test  
required to be



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conducted under §60.8 is completed, no owner or operator  
subject to the provisions of this subpart shall cause to be  
discharged into the atmosphere from any affected facility any gases which  
contain particulate matter in excess of 0.03 lbs/million BTU  
heat input from the combustion of solid, liquid, or gaseous fuel.

Upper Permit Limit: 0.03 pounds per million Btus

Reference Test Method: method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 2-28: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

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

**Replaces Condition(s) 1-117**

**Item 2-28.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C03

**Item 2-28.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL  
PARAMETERS AS SURROGATE

Monitoring Description:

On and after the date the particulate matter performance  
test required to be conducted under Sec. 60.8 is  
completed, no owner or operator subject to the provisions  
of this subpart shall cause to be discharged into the  
atmosphere from any affected facility any gases which

Exhibit greater than 20 percent opacity

(6-minute



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average), except for one 6- minute period per hour of not more than 27 percent opacity.

meter Monitored: OPACITY  
Permit Limit: 20 percent  
Test Method: Method 9

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-119: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.43a(b)(2), NSPS Subpart Da**

**Item 1-119.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C03

**Item 1-119.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IDE EMISSIONS UNDER 40 CFR  
3PART Da ARE LIMITED TO 0.20  
A ROLLING 30 DAY AVERAGE.  
52.21 (BACT) SULFUR IN FUEL  
TO A MORE RESTRICTIVE 0.05  
WEIGHT (APPROXIMATELY 0.05  
PURSUANT TO 40CFR 60.13(I),  
H SUBPART Da REQUIREMENT  
ATED THROUGH COMPLIANCE  
BACT REQUIREMENT IN OTHER

CONDITIONS IN THIS PERMIT.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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



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**Condition 148: Averaging period for sulfur dioxide emissions.**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.43a(g), NSPS Subpart Da**

**Item 148.1:**

This Condition applies to Emission Unit: 1-CTDBR  
Process: C03

**Item 148.2:**

Emission limits and percent reductions for sulfur dioxide shall be determined using a 30 day rolling average.

**Condition 1-122: Compliance Demonstration**  
**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.46a(a), NSPS Subpart Da**

**Item 1-122.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C03

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

**Item 1-122.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

Subpart Da--Standards of Performance for Electric

Utility Steam Generating Units for Which Construction

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Sec. 60.46a Compliance provisions.

(a) Compliance with the particulate matter emission

limitation under Sec. 60.42a(a)(1) constitutes compliance

with the percent reduction requirements for particulate



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atter under Sec. 60.42a(a)(2) and (3).

Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-123: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requiremen40CFR 60.46a(c), NSPS Subpart Da**

**Item 1-123.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

**Item 1-123.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(c) The particulate matter emission standards  
under Sec. 60.42a and the nitrogen oxides emission

standards under Sec. 60.44a apply at all times  
except  
during periods of startup, shutdown, or malfunction.  
The sulfur dioxide emission standards under  
Sec. 60.43a apply at all times except during periods  
of startup, shutdown, or when both emergency  
conditions exist and the procedures under paragraph

(d) of this section are implemented.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-125: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requiremen40CFR 60.46a(f), NSPS Subpart Da**





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**Item 1-125.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

**Item 1-125.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(f) For the initial performance test required under Sec. 60.8, compliance with the sulfur

dioxide emission limitations and percent reduction requirements under Sec. 60.43a

and the nitrogen oxides emission limitation

under Sec. 60.44a is based on the average

emission rates for sulfur dioxide, nitrogen

dioxides, and percent reduction for sulfur

dioxide for the first 30 successive boiler operating days. The initial performance test is the only test in which at least 30 days

of notice is required unless otherwise

specified by the Administrator. The initial performance test is to be scheduled so that

on the first boiler operating day of the 30

successive boiler operating days is

completed within 60 days after achieving

maximum production rate at which the

affected facility will be operated, but not later than 180 days after initial startup of the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-127: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.46a(h), NSPS Subpart Da**

**Item 1-127.1:**



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The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C03

**Item 1-127.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(h) If an owner or operator has not obtained

minimum quantity of emission data as

required under Sec. 60.47a of this subpart,  
compliance of the affected facility with the

ion requirements under Secs. 60.43a

60.44a of this subpart for the day on

which the 30-day period ends may be

determined by the Administrator by following

applicable procedures in section 7 of

Method 19.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-128: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.47a(c), NSPS Subpart Da**

**Item 1-128.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C03

**Item 1-128.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(c) (2) If the owner or operator has installed

a nitrogen oxides emission rate continuous

1 monitoring system (CEMS) to meet



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the requirements of part 75 of this chapter and is continuing to meet the ongoing requirements of part 75 of this chapter, that CEMS may be used to meet the requirements of this section, except that the owner or operator shall also meet the

requirements of Sec. 60.49a. Data reported to meet the requirements of Sec. 60.49a shall not include

data substituted using the missing data

procedures in subpart D of part 75 of this chapter, nor shall the data have been bias adjusted according to the procedures of part 75 of this chapter.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 4/30/2005.

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

**Condition 1-129: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.48a(a), NSPS Subpart Da**

**Item 1-129.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

**Item 1-129.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Subpart Da--Standards of Performance for Electric Utility Steam Generating Units for Which

Construction is Commenced After September 18, 1978

Sec. 60.48a Compliance determination procedures and methods.



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(a) In conducting the performance tests required in Sec. 60.8, the owner or operator shall use as

reference methods and procedures the methods in appendix A of this part or the methods and procedures as specified in this section, except as provided in Sec. 60.8(b). Section 60.8(f) does not apply to this section for SO<sub>2</sub> and NO<sub>x</sub>. Acceptable alternative methods are

given in paragraph (e) of this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 2-29: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.48a(b), NSPS Subpart Da**

**Replaces Condition(s) 1-130, 158**

**Item 2-29.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

**Item 2-29.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator shall determine compliance with the particulate matter (PM) standards in §60.42a as follows:

1) The dry basis F factor (O<sub>2</sub>) procedures in Method 19 shall be used to compute the emission rate of PM

2) For the PM concentration, Method 5 shall be used at affected facilities without wet FGD systems and Method 5B

shall be used after wet FGD systems.

- The sampling time and sample volume for each run shall



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be at least 120 minutes and 1.70 dscm (60dscf). The probe and filter holder heating system in the sampling train may be set to provide an average gas temperature of no greater than 160 +/- 14 deg. C (320+/-25 F).

- For each particulate run, the emission rate correction factor, integrated or grab sampling and analysis procedures of Method 3B shall be used to determine the oxygen concentration. The oxygen sample shall be obtained simultaneously with, and at the same traverse points as, the particulate run. If the particulate run has more than 12 traverse points, the oxygen traverse points may be reduced to 12 provided that Method 1 is used to locate the 12 oxygen traverse points. If the grab sampling procedure is used, the oxygen concentration for the run shall be the arithmetic mean of all the individual oxygen concentrations at each traverse point.

3) Method 9 and the procedures in §60.11 shall be used to determine opacity.

: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-131: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.48a(d), NSPS Subpart Da**

**Item 1-131.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C03

**Item 1-131.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Sec. 60.48a Compliance determination procedures and methods.

(d) The owner or operator shall determine compliance with the NO<sub>x</sub> standard in Sec. 60.44a as follows:

(1) The appropriate procedures in Method 19 shall be used to determine the emission rate



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of NO<sub>x</sub>.

) The continuous monitoring system in

Sec. 60.47a (c) and (d) shall be used to

determine the concentrations of NO<sub>x</sub> and

CO<sub>2</sub> or O<sub>2</sub>.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-132: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.48a(e), NSPS Subpart Da**

**Item 1-132.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDDBR

Process: C03

**Item 1-132.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Subpart Da--Standards of Performance

for Electric Utility Steam Generating Units

Which Construction is Commenced

After September 18, 1978

Sec. 60.48a Compliance determination procedures  
and methods.

(e) The owner or operator may use the following  
as alternatives to the reference methods and

procedures specified in this section:

(1) For Method 5 or 5B, Method 17 may be used  
at facilities with or without wet FGD systems if  
the stack temperature at the sampling location  
does not exceed an average temperature of 160  
deg.C (320 deg.F). The procedures of Secs. 2.1  
and 2.3 of Method 5B may be used in Method 17

only if it is used after wet FGD systems.



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Method 17 shall not be used after wet FGD systems if the effluent is saturated or laden with water droplets.

(2) The Fc factor (CO<sub>2</sub>) procedures in Method 19 may be used to compute the emission rate of particulate matter under the stipulations of Sec. 60.46(d)(1). The CO<sub>2</sub> shall be determined in the same manner as the O<sub>2</sub> concentration.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-133: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements 40CFR 60.48a(f), NSPS Subpart Da**

**Item 1-133.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

**Item 1-133.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Subpart Da--Standards of Performance  
for Electric Utility Steam

Generating Units for Which Construction is

Commenced After September 18, 1978

§ 60.48a Compliance determination procedures and methods. (f) Electric utility combined cycle gas turbines are performance tested for particulate matter,

sulfur dioxide, and nitrogen oxides using

procedures of Method 19 (appendix A). The sulfur dioxide and nitrogen oxides emission rates from the gas turbine



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used in Method 19 (appendix A) calculations

e determined when the gas turbine is  
 rformance tested under subpart GG.  
 he potential uncontrolled particulate  
 matter emission rate from a gas  
 turbine is defined as 17 ng/  
 J (0.04 lb/million Btu) heat input.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
 DESCRIPTION  
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 tial report is due 7/30/2005.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 1-134: Compliance Demonstration**  
**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requiremer40CFR 60.49a(a), NSPS Subpart Da**

**Item 1-134.1:**  
 The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
 Process: C03

**Item 1-134.2:**  
 Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
 Monitoring Description:

bpart Da--Standards of Performance  
 for Electric Utility Steam Generating Units  
 · Which Construction is Commenced  
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Sec. 60.49a Reporting requirements.

(a) For sulfur dioxide, nitrogen oxides,  
 and particulate matter emissions, the  
 performance test data from the initial  
 performance test and from the





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performance evaluation of the  
continuous monitors (including the  
transmissometer) are submitted to  
the Administrator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Annual report is due 7/30/2005.

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

**Condition 1-135: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.49a(c), NSPS Subpart Da**

**Item 1-135.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

**Item 1-135.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Subpart Da--Standards of Performance

for Electric Utility Steam Generating Units

for Which Construction is Commenced

After September 18, 1978

Sec. 60.49a Reporting requirements.

(c) If the minimum quantity of emission  
data as required by Sec. 60.47a is not obtained  
for any 30 successive boiler operating days,  
the following information obtained under the

requirements of Sec. 60.46a(h) is reported to

the Administrator for that 30-day period:

(1) The number of hourly averages available  
for outlet emission rates (no) and inlet emission  
rates (ni) as applicable.

(2) The standard deviation of hourly averages



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for outlet emission rates (so) and inlet emission rates (si) as applicable.

(3) The lower confidence limit for the mean inlet emission rate ( $E_o^*$ ) and the upper confidence limit for the mean inlet emission rate ( $E_i^*$ ) as applicable.

(4) The applicable potential combustion

concentration.

(5) The ratio of the upper confidence limit for the mean outlet emission rate ( $E_o^*$ ) and the allowable emission rate

( $E_{std}$ ) as applicable.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-136: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements 40CFR 60.49a(f), NSPS Subpart Da**

**Item 1-136.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

**Item 1-136.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Subpart Da--Standards of Performance

for Electric Utility Steam Generating Units

for Which Construction is Commenced

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Sec. 60.49a Reporting requirements.

(f) For any periods for which opacity,

sulfur dioxide or nitrogen oxides emissions



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data are not available, the owner or operator of the affected facility shall submit a signed statement indicating if any changes were made in operation of the emission control system during the period of data unavailability.

Operations of the control system and affected facility during periods of data unavailability shall be compared with operation of the control system and affected facility before and following the period of data unavailability.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Final report is due 7/30/2005.

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

**Condition 1-137: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.49a(g), NSPS Subpart Da**

**Item 1-137.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C03

**Item 1-137.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

Subpart Da--Standards of Performance  
for Electric Utility Steam Generating Units  
Which Construction is Commenced  
After September 18, 1978

Sec. 60.49a Reporting requirements.

(g) The owner or operator of the affected facility shall submit a signed statement indicating whether:

(1) The required continuous monitoring system calibration, span, and drift checks  
whether periodic audits have or have not



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- been performed as specified.
- !) The data used to show compliance as or was not obtained in accordance with approved methods and procedures of this part and is representative of plant performance.
- (3) The minimum data requirements have or have not been met; or, the minimum requirements have not been met for errors that were unavoidable.
- ) Compliance with the standards has or has not been achieved during the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-138: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.49a(h), NSPS Subpart Da**

**Item 1-138.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C03

**Item 1-138.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Subpart Da--Standards of Performance

for Electric Utility Steam Generating Units

for Which Construction is Commenced

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Sec. 60.49a Reporting requirements.

(h) For the purposes of the reports required under Sec. 60.7, periods of



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excess emissions are defined as all  
6-minute periods during which the  
average opacity exceeds the applicable  
opacity standards under Sec. 60.42a(b).

Opacity levels in excess of the applicable  
opacity standard and the date of such  
excesses are to be submitted to the  
Administrator each calendar quarter.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-139: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.49a(i), NSPS Subpart Da**

**Item 1-139.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDDBR

Process: C03

**Item 1-139.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Subpart Da--Standards of Performance

for Electric Utility Steam Generating Units

Which Construction is Commenced

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Sec. 60.49a Reporting requirements.

(i) The owner or operator of an affected

facility shall submit the written reports  
required under this section and subpart  
to the Administrator semiannually for



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ch six-month period. All semiannual  
orts shall be postmarked by the 30th  
/ following the end of each six-month  
period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 168: Compliance Demonstration**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 225-1.7(c)**

**Item 168.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

**Item 168.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Part 225-1.7(c) requires that measurements must be made  
daily of the rate of each fuel burned. The gross heat  
content and ash content of each fuel burned must be  
determined at least once each week. This information  
must be retained by the source owner for a period of five  
years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-140: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 227-1.2(a)(1)**

**Item 1-140.1:**

The Compliance Demonstration activity will be performed for:



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Emission Unit: 1-CTDBR  
Process: C04

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

**Item 1-140.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

TE EMISSIONS FROM FUEL OIL  
NOT EXCEED 0.10 LB/MMBTU,  
NG PERIODS OF STARTUP AND  
MPLIANCE STACK TEST SHALL  
EACH COMBUSTION TURBINE  
WITHIN 180 DAYS OF STARTUP.

Upper Permit Limit: 0.10 pounds per million Btus

Method: EPA METHOD 5  
: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-141: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Item 1-141.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

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

**Item 1-141.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

FROM PROCESS C04 SHALL NOT  
.0 PPMDV AT 15% OXYGEN, IN  
O COMPLY WITH THE LOWEST



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TABLE EMISSION RATE (LAER)  
5. THIS EMISSION LIMIT IS MET  
APPLICATION OF AN OXIDATION  
COMPLIANCE STACK TEST SHALL  
FORMED WITHIN 180 DAYS OF

COMBUSTION TURBINE TRAIN  
STARTUP.

PERATION OF THE OXIDATION  
ALL BE DEMONSTRATED ON A  
IS THROUGH CO MONITORING  
CONDITIONS OF THIS PERMIT.

Upper Permit Limit: 12.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)  
Method: EPA METHOD 25A  
: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-142: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Item 1-142.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

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

**Item 1-142.2:**

Compliance Demonstration shall include the following monitoring:

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

FROM PROCESS C04 SHALL NOT  
.0 PPMDV AT 15% OXYGEN, IN  
O COMPLY WITH THE LOWEST  
TABLE EMISSION RATE (LAER)  
5. THIS EMISSION LIMIT IS MET  
I THE APPLICATION OF WATER  
N AND SELECTIVE CATALYTIC





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N. A CONTINUOUS EMISSIONS  
IG SYSTEM SHALL BE USED TO  
COMPLIANCE WITH THIS LIMIT.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 10.0 parts per million by volume

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

d: PART 60 APP B AND F

Frequency: CONTINUOUS

FOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-143: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Item 1-143.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

Regulated Contaminant(s):

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

**Item 1-143.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

SIONS FROM PROCESS C04 ARE

PERATURE DEPENDENT. NOX

ALL NOT EXCEED 106.83 LB/HR .

SSIONS MONITORING SYSTEM

DEMONSTRATE COMPLIANCE

MIT. THESE LB/HR LIMITS ARE

RBINE, 'PER UNIT.' THERE ARE

S IN THIS EMISSION UNIT AND

PROCESS.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 106.83 pounds per hour

d: PART 60 APP B AND F



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Frequency: CONTINUOUS  
FOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 2-30: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 2-30.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

Regulated Contaminant(s):  
CAS No: 000000-00-0 VOC

**Item 2-30.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

FROM PROCESS C04 SHALL NOT  
EXCEED 4 LB/MMBTU, EXCEPT DURING  
PERIODS OF STARTUP, SHUTDOWN, OR  
MAINTENANCE IN ORDER TO COMPLY WITH THE  
CONTROL TECHNOLOGY (BACT)

REQUIREMENTS.

COMPLIANCE STACK TEST SHALL BE  
PERFORMED WITHIN 180 DAYS OF COMBUSTION

TURBINE TRAIN STARTUP.

Upper Permit Limit: 0.0134 pounds per million Btus

Method: EPA METHOD 25  
: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-144: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**



**New York State Department of Environmental Conservation**

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**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-144.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 1-144.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

EMISSIONS FROM PROCESS C04 ARE  
TEMPERATURE DEPENDENT. CO  
CONCENTRATIONS SHALL NOT EXCEED 65.04 LB/HR.  
CONTINUOUS EMISSIONS MONITORING SYSTEM  
REQUIRED TO DEMONSTRATE COMPLIANCE

WITH THIS LIMIT.

This emission limit is for each turbine,  
'per unit'. There are two turbines in  
this emission unit and process.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 65.04 pounds per hour

Standard: PART 60 APP B AND F

Frequency: CONTINUOUS

Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-145: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-145.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR



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Process: C04

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

**Item 1-145.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

IDE AND SULFURIC ACID MIST  
M PROCESS C04 COMPLY WITH  
ABLE CONTROL TECHNOLOGY  
MENTS THROUGH THE USE OF  
ISTILLATE OIL WITH A SULFUR  
OF 0.05% BY WEIGHT OR LESS.  
BE DEMONSTRATED THROUGH  
MPLING AND ANALYSIS - ONE  
LIER PER DAY ON DAYS WHEN

ANY DELIVERIES ARE MADE.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Material: NUMBER 2 OIL  
ored: SULFUR CONTENT

Upper Permit Limit: 0.05 percent by weight  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY  
TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-146: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-146.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

Regulated Contaminant(s):



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CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 1-146.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IDE AND SULFURIC ACID MIST  
M PROCESS C04 COMPLY WITH  
ONTROL TECHNOLOGY (BACT)  
IS THROUGH THE USE OF LOW  
R DISTILLATE. This process must  
et a sulfur dioxide emission limit of  
38.0 pounds per hour; and a sulfuric  
mist emission limit of 54.94 pounds  
per hour. These lb/hr limits are for  
ach turbine, 'per unit.' There are two  
turbines in this emission unit and  
process.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-147: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-147.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

**Item 1-147.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

G DISTILLATE OIL FIRING, THE  
IGN CAPACITY OF EACH DUCT  
mmBTU/hr WHEN ONE TURBINE  
ERATING, AND 511.7 mmBTU/hr  
BINE TRAINS ARE OPERATING.  
NTING THE MAXIMUM DESIGN  
THE DUCT BURNERS SHALL BE



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KEPT ON SITE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-148: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-148.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

Regulated Contaminant(s):

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

**Item 1-148.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMS FROM PROCESS C04 SHALL  
0.059 LB PER MMBTU, EXCEPT  
OF STARTUP AND SHUTDOWN,  
R TO COMPLY WITH THE BEST  
CONTROL TECHNOLOGY (BACT)

REQUIREMENTS.

LIANCE STACK TEST SHALL BE  
IIN 180 DAYS OF COMBUSTION

TURBINE TRAIN STARTUP.

Upper Permit Limit: 0.059 pounds per million Btus

Method: Method 201A/202

: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-149: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**



**Item 1-149.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

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

**Item 1-149.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

FROM THE PROCESS C04 SHALL  
BEED 130.0 LB/HR, IN ORDER TO  
THE BEST AVAILABLE CONTROL  
TECHNOLOGY (BACT) REQUIREMENTS. A  
BACT TEST SHALL BE PERFORMED  
ON EACH OF COMBUSTION TURBINE  
DURING TRAIN STARTUP.

This emission limit is for each turbine,  
'per unit'. There are two turbines in  
this emission unit and process.

Upper Permit Limit: 130.0 pounds per hour  
Method: EPA METHOD 5  
: SINGLE OCCURRENCE  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-150: Compliance Demonstration**

Effective between the dates of 03/01/2005 and Permit Expiration Date

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

**Item 1-150.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

Regulated Contaminant(s):



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CAS No: 000630-08-0 CARBON MONOXIDE

**Item 1-150.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

ROM PROCESS C04 SHALL NOT  
DV AT 15% OXYGEN, IN ORDER  
HE BEST AVAILABLE CONTROL  
(BACT) REQUIREMENTS. THIS  
N LIMIT IS MET THROUGH THE  
AN OXIDATION CATALYST. A  
SSIONS MONITORING SYSTEM  
DEMONSTRATE COMPLIANCE

WITH THIS LIMIT.

Manufacturer Name/Model Number: TO BE DETERMINED

Upper Permit Limit: 10.0 parts per million by volume

(dry, corrected to 15% O2)

d: PART 60 APP B AND F

Frequency: CONTINUOUS

Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-151: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-151.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-151.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:





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FROM PROCESS C04 SHALL NOT  
PER MMBTU, EXCEPT DURING  
JP AND SHUTDOWN, IN ORDER  
THE BEST AVAILABLE CONTROL  
TECHNOLOGY (BACT) REQUIREMENTS.

COMPLIANCE STACK TEST SHALL BE  
PERFORMED WITHIN 180 DAYS OF COMBUSTION

TURBINE TRAIN STARTUP.

Upper Permit Limit: 0.059 pounds per million Btus

Test Method: Method 5  
: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-152: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-152.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

Regulated Contaminant(s):  
CAS No: 000000-00-5 PM-10

**Item 1-152.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

EMISSIONS FROM THE PROCESS C04  
SHALL NOT EXCEED 130.0 LB/HR, IN ORDER TO  
MEET THE BEST AVAILABLE CONTROL  
TECHNOLOGY (BACT) REQUIREMENTS. A  
COMPLIANCE STACK TEST SHALL BE PERFORMED  
WITHIN 180 DAYS OF COMBUSTION TURBINE  
TRAIN STARTUP.



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his emission limit is for each turbine,  
'per unit'. There are two turbines in  
this emission unit and process.

Upper Permit Limit: 130.0 pounds per hour  
Reference Test Method: EPA METHODS 201A/202

: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-153: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Require40CFR 60.42a(a)(1), NSPS Subpart Da**

**Item 1-153.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

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

**Item 1-153.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

CFR 60.42a(a)(1), NSPS Subpart Da

On and after the date on which the performance test  
required to be  
conducted under §60.8 is completed, no owner or operator  
subject to  
the provisions of this subpart shall cause to be  
discharged into the  
atmosphere from any affected facility any gases which  
contain  
particulate matter in excess of 0.03 lbs/million BTU  
heat input from  
the combustion of solid, liquid, or gaseous fuel.



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Upper Permit Limit: 0.03 pounds per million Btus

Test Method: method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-154: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.42a(a)(3), NSPS Subpart Da**

**Item 1-154.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-154.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

On and after the date on which the performance test  
required to be  
conducted under §60.8 is completed, no owner or operator  
subject to  
the provisions of this subpart shall cause to be  
discharged into the  
atmosphere from any affected facility any gases which  
contain  
particulate matter in excess of 30 percent of potential  
combustion  
concentration (70 percent reduction) when combusting  
liquid fuel.



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Permit Limit: 30 percent  
Reference Test Method: method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-155: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

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

**Item 1-155.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

**Item 1-155.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL  
PARAMETERS AS SURROGATE

Monitoring Description:

Sec. 60.42a Standard for particulate matter.

(b) On and after the date the particulate matter performance test required to be conducted under Sec. 60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility any gases which exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

Parameter Monitored: OPACITY



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Permit Limit: 20 percent  
Test Method: Method 9  
Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-156: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40 CFR 60.43a(b)(1), NSPS Subpart Da**

**Item 1-156.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

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

**Item 1-156.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

Subpart Da--Standards of Performance

for Electric Utility Steam Generating Units

Which Construction is Commenced

After September 18, 1978

60.43a Standard for sulfur dioxide.

b) On and after the date on which the initial performance test required to be conducted under Sec. 60.8 is completed, no owner or operator subject to the

provisions of this subpart shall cause to be

discharged into the atmosphere from any

affected facility which combusts liquid or gaseous fuels (except for liquid or gaseous

fuels derived from solid fuels and as

provided under paragraphs (e) or (h) of this

section, any gases which contain sulfur



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dioxide in excess of:

(1) 340 ng/J (0.80 lb/million Btu) heat input

0 percent of the potential combustion  
concentration (90 percent reduction), or

(2) 100 percent of the potential combustion

concentration (zero percent reduction)  
when emissions are less than  
ng/J (0.20 lb/million Btu) heat input.

Upper Permit Limit: 0.080 pounds per million Btus

Test Method: 40CFR60Da

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 2-31: Compliance Demonstration**

**Effective between the dates of 06/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.43a(b)(2), NSPS Subpart Da**

**Replaces Condition(s) 1-157**

**Item 2-31.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

**Item 2-31.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IDE EMISSIONS UNDER 40 CFR  
3PART Da ARE LIMITED TO 0.20  
A ROLLING 30 DAY AVERAGE.  
52.21 (BACT) SULFUR IN FUEL  
TO A MORE RESTRICTIVE 0.05  
WEIGHT (APPROXIMATELY 0.05  
PURSUANT TO 40CFR 60.13(I),  
H SUBPART Da REQUIREMENT  
ATED THROUGH COMPLIANCE  
ACT REQUIREMENT IN OTHER



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**CONDITIONS IN THIS PERMIT.**

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 186: Averaging period for sulfur dioxide emissions.**  
**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.43a(g), NSPS Subpart Da**

**Item 186.1:**

This Condition applies to Emission Unit: 1-CTDBR  
Process: C04

**Item 186.2:**

Emission limits and percent reductions for sulfur dioxide shall be determined using a 30 day rolling average.

**Condition 1-159: Compliance Demonstration**  
**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.44a(d), NSPS Subpart Da**

**Item 1-159.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

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

**Item 1-159.2:**

Compliance Demonstration shall include the following monitoring:

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

(d)(1) On and after the date on which the initial performance test required to be conducted under Sec. 60.8 is completed, no new source owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility for which construction commenced after July 9, 1997 any



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gases which contain nitrogen oxides (expressed as NO<sub>2</sub>) in excess of 200 nanograms per joule (1.6 pounds per megawatt-hour) gross energy output, based on a 30-day rolling average.

Permit Name/Model Number: na

Upper Permit Limit: 200 nanograms (10<sup>-9</sup> grams)

Test Method: EPA 40CFR60

Frequency: CONTINUOUS

AY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-160: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.46a(a), NSPS Subpart Da**

**Item 1-160.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-160.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Subpart Da--Standards of Performance for Electric

Utility Steam Generating Units for Which Construction

Commenced After September 18, 1978

Sec. 60.46a Compliance provisions.

(a) Compliance with the particulate matter emission

limitation under Sec. 60.42a(a)(1) constitutes compliance

with the percent reduction requirements for particulate





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atter under Sec. 60.42a(a)(2) and (3).

Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-161: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.46a(c), NSPS Subpart Da**

**Item 1-161.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

**Item 1-161.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

(c) The particulate matter emission standards  
under Sec. 60.42a and the nitrogen oxides emission

standards under Sec. 60.44a apply at all times  
except  
during periods of startup, shutdown, or malfunction.  
The sulfur dioxide emission standards under  
Sec. 60.43a apply at all times except during periods  
of startup, shutdown, or when both emergency  
conditions exist and the procedures under paragraph

(d) of this section are implemented.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-163: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**



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**814-00052/00001 Facility DEC ID: 4381400052**

**Applicable Federal Requirements: 40CFR 60.46a(e), NSPS Subpart Da**

**Item 1-163.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

**Item 1-163.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

(e) After the initial performance test required under Sec. 60.8, compliance with the sulfur dioxide emission limitations and percentage reduction requirements under Sec. 60.43a and the nitrogen oxides emission limitations under Sec. 60.44a is based on the average emission rate for 30 successive boiler operating days.

A separate performance test is completed at the end of each boiler operating day after the

initial performance test, and a new 30 day

average emission rate for both sulfur dioxide and nitrogen oxides and a new percent

reduction for sulfur dioxide are calculated to show compliance with the standards.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-164: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.46a(f), NSPS Subpart Da**

**Item 1-164.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

**Item 1-164.2:**



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Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(f) For the initial performance test required under Sec. 60.8, compliance with the sulfur

dioxide emission limitations and percent reduction requirements under Sec. 60.43a

and the nitrogen oxides emission limitation

under Sec. 60.44a is based on the average

emission rates for sulfur dioxide, nitrogen

dioxides, and percent reduction for sulfur

dioxide for the first 30 successive boiler operating days. The initial performance test is the only test in which at least 30 days

notice is required unless otherwise

specified by the Administrator. The initial performance test is to be scheduled so that

the first boiler operating day of the 30

successive boiler operating days is

completed within 60 days after achieving

maximum production rate at which the

affected facility will be operated, but not later than 180 days after initial startup of the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-165: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.46a(g), NSPS Subpart Da**

**Item 1-165.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

**Item 1-165.2:**

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(g) Compliance is determined by calculating the arithmetic average of all hourly emission rates for SO<sub>2</sub> and NO<sub>x</sub> for the 30 successive boiler

operating days, except for data obtained during startup, shutdown, malfunction (NO<sub>x</sub> only), or emergency conditions (SO<sub>2</sub> only). Compliance with the percentage reduction requirement for SO<sub>2</sub> is determined based on the average inlet and average outlet SO<sub>2</sub> emission rates for the

30 successive boiler operating days.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-166: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.46a(h), NSPS Subpart Da**

**Item 1-166.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

**Item 1-166.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(h) If an owner or operator has not obtained minimum quantity of emission data as

required under Sec. 60.47a of this subpart, compliance of the affected facility with the

ion requirements under Secs. 60.43a 60.44a of this subpart for the day on which the 30-day period ends may be

determined by the Administrator by following applicable procedures in section 7 of

Method 19.



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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-167: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.47a(a), NSPS Subpart Da**

**Item 1-167.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDDBR

Process: C04

**Item 1-167.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

PARAMETERS AS SURROGATE

Monitoring Description:

Subpart Da--Standards of Performance for  
Electric Utility Steam Generating Units for Which

Operation is Commenced After September

18, 1978

Sec. 60.47a Emission monitoring.

(a) The owner or operator of an affected facility  
shall install, calibrate, maintain, and operate a

continuous monitoring system, and record the  
output of the system, for measuring the opacity  
of emissions discharged to the atmosphere,  
except where gaseous fuel is the only fuel  
combusted. If opacity interference due to water  
droplets exists in the stack (for example, from  
the use of an FGD system), the opacity is  
monitored upstream of the interference (at the  
inlet to the FGD system). If opacity interference  
is experienced at all locations (both at the inlet



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and outlet of the sulfur dioxide control system),

alternate parameters indicative of the particulate

matter control system's performance are

monitored (subject to the approval of the

Administrator).

Parameter Monitored: OPACITY

Permit Limit: 20 percent

Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-168: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.47a(c), NSPS Subpart Da**

**Item 1-168.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDDBR

Process: C04

**Item 1-168.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(c) (2) If the owner or operator has installed  
a nitrogen oxides emission rate continuous

monitoring system (CEMS) to meet

the requirements of part 75 of this chapter and  
is continuing to meet the ongoing requirements  
of part 75 of this chapter, that CEMS may be used  
to meet the requirements of this section, except  
that the owner or operator shall also meet the

requirements of Sec. 60.49a. Data reported to meet  
the requirements of Sec. 60.49a shall not include

data substituted using the missing data

procedures in subpart D of part 75 of this chapter,  
nor shall the data have been bias adjusted



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according to the procedures of part 75 of this chapter.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 4/30/2005.

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

**Condition 195: Compliance Demonstration**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.47a(k), NSPS Subpart Da**

**Item 195.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

**Item 195.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of process steam generating equipment combined with electrical generating shall install, calibrate, maintain, and operate a wattmeter; measure gross electrical output in megawatt-hours on a continuous basis; record the output of the monitor; meters for steam flow, temperature, and pressure; measure gross steam output in Btus per hour on a continuous basis; and record the output of the monitor. The gross energy output is determined from the gross electrical output plus 50

percent of the gross thermal output.

Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

al report is due 10/30/2004.

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

**Condition 1-169: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.48a(a), NSPS Subpart Da**



**Item 1-169.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

**Item 1-169.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

Subpart Da--Standards of Performance for Electric  
Utility Steam  
Generating Units for Which Construction is Commenced After  
September 18,  
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Sec. 60.48a Compliance determination procedures and  
methods.

(b) The owner or operator shall determine compliance  
with the  
particulate matter standards in Sec. 60.42a as follows:

(1) The dry basis F factor (O<sub>2</sub>) procedures in Method  
19  
shall be used to compute the emission rate of particulate  
matter.

(2) For the particulate matter concentration, Method 5  
shall be used  
at affected facilities without wet FGD systems and Method  
5B shall be

used after wet FGD systems.

(i) The sampling time and sample volume for each run  
shall be at  
least 120 minutes and 1.70 dscm (60 dscf). The probe and  
filter holder  
heating system in the sampling train may be set to provide  
an average  
gas temperature of no greater than 160 +/- 14 deg. C

(320 +/- 25 deg. F).

(ii) For each particulate run, the emission rate  
correction factor,  
integrated or grab sampling and analysis procedures of  
Method 3B shall





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be used to determine the O<sub>2</sub> concentration. The O<sub>2</sub> sample shall be obtained simultaneously with, and at the same traverse points as, the particulate run. If the particulate run has more than 12 traverse points, the O<sub>2</sub> traverse points may be reduced to 12 provided that Method 1 is used to locate the 12 O<sub>2</sub> traverse points. If the grab sampling procedure is used, the O<sub>2</sub>

concentration for the run shall be the arithmetic mean of all the individual O<sub>2</sub> concentrations at each traverse point.

(3) Method 9 and the procedures in Sec. 60.11 shall be used to determine opacity.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-171: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.48a(b), NSPS Subpart Da**

**Item 1-171.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

**Item 1-171.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Subpart Da--Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978

Sec. 60.48a Compliance determination procedures and methods.



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(b) The owner or operator shall determine compliance with the particulate matter standards in Sec. 60.42a as follows:

(1) The dry basis F factor (O<sub>2</sub>) procedures in Method 19 shall be used to compute the emission rate of particulate matter.

(2) For the particulate matter concentration, Method 5 shall be used at affected facilities without wet FGD systems and Method 5B shall be used after wet FGD systems.

(i) The sampling time and sample volume for each run shall be at least 120 minutes and 1.70 dscm (60 dscf). The probe and filter holder heating system in the sampling train may be set to provide an average gas temperature of no greater than 160 +/- 14 deg. C (320 +/- 25 deg. F).

(ii) For each particulate run, the emission rate correction factor, integrated or grab sampling and analysis procedures of Method 3B shall be used to determine the O<sub>2</sub> concentration. The O<sub>2</sub> sample shall be obtained simultaneously with, and at the same traverse points as, the particulate run. If the particulate run has more than 12 traverse points, the O<sub>2</sub> traverse points may be reduced to 12 provided that Method 1 is used to locate the 12 O<sub>2</sub> traverse points. If the grab sampling procedure is used, the O<sub>2</sub> concentration for the run shall be the arithmetic mean of all the individual O<sub>2</sub> concentrations at each traverse point.

(3) Method 9 and the procedures in Sec. 60.11 shall be used to determine opacity.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-172: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.48a(d), NSPS Subpart Da**

**Item 1-172.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR



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Process: C04

**Item 1-172.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Sec. 60.48a Compliance determination procedures and methods.

(d) The owner or operator shall determine compliance with the NOx standard in Sec. 60.44a as follows:

(1) The appropriate procedures in Method 19 shall be used to determine the emission rate of NOx.

) The continuous monitoring system in Sec. 60.47a (c) and (d) shall be used to determine the concentrations of NOx and

CO2 or O2.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-173: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.48a(e), NSPS Subpart Da**

**Item 1-173.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

**Item 1-173.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Subpart Da--Standards of Performance

for Electric Utility Steam Generating Units



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· Which Construction is Commenced

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Sec. 60.48a Compliance determination procedures and methods.

(e) The owner or operator may use the following as alternatives to the reference methods and

procedures specified in this section:

(1) For Method 5 or 5B, Method 17 may be used at facilities with or without wet FGD systems if the stack temperature at the sampling location does not exceed an average temperature of 160 deg.C (320 deg.F). The procedures of Secs. 2.1 and 2.3 of Method 5B may be used in Method 17

ly if it is used after wet FGD systems.

Method 17 shall not be used after wet FGD systems if the effluent is saturated or laden with water droplets.

(2) The Fc factor (CO<sub>2</sub>) procedures in Method 19 may be used to compute the emission rate of particulate matter under the stipulations of Sec. 60.46(d)(1). The CO<sub>2</sub> shall be determined in the same manner as the O<sub>2</sub> concentration.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-174: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requiremen40CFR 60.48a(f), NSPS Subpart Da**

**Item 1-174.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

**Item 1-174.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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Subpart Da--Standards of Performance  
for Electric Utility Steam

Generating Units for Which Construction is  
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§ 60.48a Compliance determination  
procedures and methods. (f) Electric  
utility combined cycle gas turbines are  
performance tested for particulate matter,  
sulfur dioxide, and nitrogen oxides using  
procedures of Method 19 (appendix A).  
The sulfur dioxide and nitrogen oxides  
emission rates from the gas turbine  
used in Method 19 (appendix A) calculations  
are determined when the gas turbine is  
performance tested under subpart GG.  
The potential uncontrolled particulate  
matter emission rate from a gas  
turbine is defined as 17 ng/  
J (0.04 lb/million Btu) heat input.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-175: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.49a(a), NSPS Subpart Da**

**Item 1-175.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

**Item 1-175.2:**

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

Subpart D--Standards of Performance  
for Electric Utility Steam Generating Units  
Which Construction is Commenced  
After September 18, 1978

Sec. 60.49a Reporting requirements.

(a) For sulfur dioxide, nitrogen oxides,  
and particulate matter emissions, the  
performance test data from the initial  
performance test and from the  
performance evaluation of the  
continuous monitors (including the  
transmissometer) are submitted to  
the Administrator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-176: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.49a(c), NSPS Subpart D**

**Item 1-176.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

**Item 1-176.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Subpart D--Standards of Performance  
for Electric Utility Steam Generating Units  
Which Construction is Commenced



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Sec. 60.49a Reporting requirements.

(c) If the minimum quantity of emission data as required by Sec. 60.47a is not obtained for any 30 successive boiler operating days, the following information obtained under the

requirements of Sec. 60.46a(h) is reported to

Administrator for that 30-day period:

(1) The number of hourly averages available for outlet emission rates (no) and inlet emission rates (ni) as applicable.

(2) The standard deviation of hourly averages for outlet emission rates (so) and inlet emission rates (si) as applicable.

et emission rate ( $E_o^*$ ) and the upper confidence limit for the mean inlet emission rate ( $E_i^*$ ) as applicable.

(4) The applicable potential combustion concentration.

(5) The ratio of the upper confidence limit for the mean outlet emission rate ( $E_o^*$ ) and the allowable emission rate

( $E_{std}>$ ) as applicable.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-177: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements 40CFR 60.49a(f), NSPS Subpart Da**

**Item 1-177.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04



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**Item 1-177.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

Subpart Da--Standards of Performance  
for Electric Utility Steam Generating Units  
From Which Construction is Commenced  
After September 18, 1978  
Sec. 60.49a Reporting requirements.  
(f) For any periods for which opacity,  
sulfur dioxide or nitrogen oxides emissions  
data are not available, the owner or operator  
of the affected facility shall submit a signed  
statement indicating if any changes were  
made in operation of the emission control  
system during the period of data unavailability.  
Operations of the control system and affected  
facility during periods of data unavailability  
to be compared with operation of the  
control system and affected facility before  
and following the period of data unavailability.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-178: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.49a(g), NSPS Subpart Da**

**Item 1-178.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

**Item 1-178.2:**

Compliance Demonstration shall include the following monitoring:





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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Subpart Da--Standards of Performance for  
Electric Utility Steam Generating Units for

When Construction is Commenced After

September 18, 1978

Sec. 60.49a Reporting requirements.

(g) The owner or operator of the affected  
facility shall submit a signed statement

indicating whether:

(1) The required continuous monitoring  
system calibration, span, and drift checks

other periodic audits have or have not  
been performed as specified.

(2) The data used to show compliance  
was or was not obtained in accordance  
with approved methods and procedures

of this part and is representative of plant

performance.

(3) The minimum data requirements  
have or have not been met; or, the minimum  
data requirements have not been met for  
errors that were unavoidable.

(4) Compliance with the standards has  
or has not been achieved during the  
reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-180: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.49a(h), NSPS Subpart Da**

**Item 1-180.1:**

The Compliance Demonstration activity will be performed for:



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Process: C04

**Item 1-180.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

Subpart D--Standards of Performance  
for Electric Utility Steam Generating Units  
After Which Construction is Commenced  
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Sec. 60.49a Reporting requirements.

(h) For the purposes of the reports required under Sec. 60.7, periods of excess emissions are defined as all 6-minute periods during which the average opacity exceeds the applicable opacity standards under Sec. 60.42a(b).  
Opacity levels in excess of the applicable opacity standard and the date of such excesses are to be submitted to the Administrator each calendar quarter.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-181: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.49a(i), NSPS Subpart Da**

**Item 1-181.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04



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**Item 1-181.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Subpart Da--Standards of Performance

for Electric Utility Steam Generating Units

Which Construction is Commenced

After September 18, 1978

Sec. 60.49a Reporting requirements.

(i) The owner or operator of an affected

facility shall submit the written reports

required under this section and subpart

to the Administrator semiannually for

each six-month period. All semiannual

reports shall be postmarked by the 30th

day following the end of each six-month

period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/2005.

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

**Condition 1-182: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirements: 40CFR 60.332(a), NSPS Subpart GG**

**Item 1-182.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Process: C04

Regulated Contaminant(s):

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

**Item 1-182.2:**

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

50.332 Standard for nitrogen oxides.

(a) On and after the date of the performance test required by Sec. 60.8 is completed, every owner or operator subject to the provisions of this subpart as specified in §60.332(b) shall comply with one of the following:

(1) No owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any stationary gas turbine, any gases which contain

nitrogen oxides in excess of:

$$STD = 0.0075 ( 14.4 / Y ) + F$$

where:

STD=allowable NOx emissions (percent by volume at 15 percent oxygen and on a dry basis).

Y=manufacturer's rated heat rate at manufacturer's rated load (kilojoules per watt hour) or, actual measured heat rate based on lower heating value of fuel as measured at actual peak load for the facility. The value of Y shall

exceed 14.4 kilojoules per watt hour.

F=NOx emission allowance for fuel-bound nitrogen as defined as follows:

F shall be defined according to the nitrogen content of the fuel as follows:

-----  
-----  
-----

Fuel-bound nitrogen F (NOx percent  
by  
(percent by weight)  
volume)

-----  
-----  
N0.015.....

0

0.015 < N0.1.....

0.04(N)

0.1 < N0.25.....

0.004+0.0067(N-0.1)

N>0.25.....

0.005



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-----  
-----  
-----

-----

where:

N=the nitrogen content of the fuel (percent by weight).

or:

Manufacturers may develop custom fuel-bound nitrogen allowances for each gas turbine model they manufacture. These fuel-bound nitrogen allowances shall be substantiated with data and must be approved for use by the Administrator before the initial performance test required by Sec. 60.8. Notices of approval of custom fuel-bound nitrogen allowances will be published in the Federal Register.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Exemption from NOx standard.**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement 40CFR 60.332(f), NSPS Subpart GG**

**Item 208.1:**

This Condition applies to Emission Unit: 1-CTDBR  
Process: C04

**Item 208.2:**

Gas turbines using water or steam injection to control NOx are exempt from section 332.a when ice fog  
ed a traffic hazard.

**Condition 1-183: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

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

**Item 1-183.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR



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Process: C04

Regulated Contaminant(s):

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

**Item 1-183.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(c) For the purpose of reports required under Sec. 60.7(c), periods of excess emissions that shall be reported are defined as follows:

(1) Nitrogen oxides. Any one-hour period during which the average water-to-fuel ratio, as measured by the continuous monitoring system, falls below the water-to-fuel ratio determined to demonstrate compliance with Sec. 60.332 by the performance test required in Sec. 60.8 or any period during which the fuel-bound nitrogen of the fuel is greater than the maximum nitrogen content allowed by the fuel-bound nitrogen allowance used during the performance test required in Sec. 60.8. Each report shall include the average water-to-fuel ratio, average fuel consumption, ambient conditions, gas turbine load, and nitrogen content of the fuel during the period of excess emissions, and the graphs or

ures developed under Sec. 60.335(a).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-184: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Require40CFR 60.334(c)(2), NSPS Subpart GG**



**Item 1-184.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

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

**Item 1-184.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(c) For the purpose of reports required under Sec.  
60.7(c), periods  
of excess emissions that shall be reported are defined as  
follows:

(2) Sulfur dioxide. Any daily period during which  
the sulfur content  
of the fuel being fired in the gas turbine exceeds 0.8  
percent.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-185: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Require40CFR 60.334(c)(3), NSPS Subpart GG**

**Item 1-185.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR  
Process: C04

**Item 1-185.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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(3) Ice fog. Each period during which an exemption provided in Sec. 60.332(f) is in effect shall be reported in writing to the Administrator quarterly. For each period the ambient conditions existing during the period, the date and time the air pollution control system was deactivated, and the date and time the air pollution control system was reactivated shall be reported. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter.

(4) Emergency fuel. Each period during which an exemption provided in Sec. 60.332(k) is in effect shall be included in the report required in Sec. 60.7(c). For each period, the type, reasons, and duration of the firing

the emergency fuel shall be reported.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 7/30/2005.

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

**Condition 1-186: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 227-1.3(a)**

**Item 1-186.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCC

Process: C21

**Item 1-186.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ALL SOURCES IN THIS PROCESS

QUAL OR EXCEED 20% FOR A 6





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IE, EXCEPT FOR ONE 6 MINUTE  
ER HOUR OF 27%. DUE TO THE  
REQUENT OPERATION OF THE  
SHORT RUN TIMES, A METHOD  
IALL BE CONDUCTED ONLY AT  
EQUEST OF THE DEPARTMENT.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-187: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Item 1-187.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCC

Process: C21

**Item 1-187.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

R TO COMPLY WITH THE LAER  
NT FOR VOC, THE EMERGENCY  
OR SET AND FIRE PUMP ENGINE  
ERATE IN ACCORDANCE WITH  
URER'S RECOMMENDATIONS.  
CATIONS AND MAINTENANCE  
IALL BE MAINTAINED ON SITE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-188: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 231-2.5(a)**

**Item 1-188.1:**

The Compliance Demonstration activity will be performed for:



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Emission Unit: 1-MISCC

Process: C21

**Item 1-188.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

R TO COMPLY WITH THE LAER  
/T FOR NOX, THE EMERGENCY  
RATOR SET (EDG01) AND FIRE  
(FIRE1) SHALL OPERATE ONLY  
SE OF TURBOCHARGERS WITH  
S AND ELECTRONICS IGNITION  
/G RETARD. IN ADDITION, THE  
G EQUIPMENT TESTING SHALL  
IOURS PER ROLLING 12 MONTH  
01 AND 52 HOURS PER ROLLING  
ERIOD FOR FIRE1,. EQUIPMENT  
S, LOGS OF OPERATING HOURS  
/ LOGS SHALL BE MAINTAINED

ON SITE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-189: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-189.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCC

Process: C21

**Item 1-189.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

R TO COMPLY WITH THE BACT  
' FOR SO2 AND SULFURIC ACID  
NCY ENGINE/GENERATOR SET



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JMP ENGINE SHALL ONLY FIRE  
OIL WITH A SULFUR CONTENT  
0.05% BY WEIGHT. THE FUEL  
SHALL BE VERIFIED BY THE  
CERTIFICATION WITH EACH  
JEL. THIS SULFUR LIMITATION  
GENT THAN THE SULFUR LIMIT  
OM 6 NYCRR PART 225 OF 1.5%.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Material: NUMBER 2 OIL  
ored: SULFUR CONTENT

Upper Permit Limit: 0.05 percent 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 1-190: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-190.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCC

Process: C21

**Item 1-190.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

R TO COMPLY WITH THE BACT  
MENT FOR PM AND PM 10, THE  
NE/GENERATOR SET AND FIRE  
LL OPERATE IN ACCORDANCE  
URER'S RECOMMENDATIONS.  
CATIONS AND MAINTENANCE  
HALL BE MAINTAINED ON SITE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



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**Condition 1-191: Compliance Demonstration**

Effective between the dates of 03/01/2005 and Permit Expiration Date

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-191.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCC

Process: C21

**Item 1-191.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

R TO COMPLY WITH THE BACT  
ENT FOR CO, THE EMERGENCY  
OR SET AND FIRE PUMP ENGINE  
ERATE IN ACCORDANCE WITH  
COMMENDATIONS. EQUIPMENT  
ID MAINTENANCE LOGS SHALL  
BE MAINTAINED ON SITE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 217: Compliance Demonstration**

Effective between the dates of 09/23/2004 and Permit Expiration Date

**Applicable Federal Requirement:** 40CFR 60.116b(a), NSPS Subpart Kb

**Item 217.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCC

Process: C22

**Item 217.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall keep copies of all records  
required by this section, except for the record required



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by paragraph (b) of this section, for at least 2 years.

The record required by paragraph (b) of this section will

be kept for the life of the source

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 1/30/2005.

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

**Condition 218: Compliance Demonstration**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.116b(b), NSPS Subpart Kb**

**Item 218.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCC

Process: C22

**Item 218.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each storage vessel as specified in 40 CFR 60.110b(a) shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Each storage vessel with a design capacity less than 75 cubic meters is subject to no provisions of this subpart other

than those required by this paragraph

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

tial report is due 1/30/2005.

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

**Condition 1-192: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 52.21(j), Subpart A**

**Item 1-192.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCC



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Process: C24

**Item 1-192.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

R TO COMPLY WITH THE BACT  
MENTS FOR PM AND PM 10 THE  
OLING TOWER MUST OPERATE  
FICIENCY DRIFT ELIMINATORS  
NTEED DRIFT RATE OF 0.0005%  
NG WATER FLOW. EQUIPMENT  
ID MAINTENANCE LOGS SHALL

BE MAINTAINED ON SITE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



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**E ONLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

**Item A: Public Access to Recordkeeping for Facilities With State**

**Permits - 6NYCRR Part 201-1.10(a)**

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1), and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

**Item B: General Provisions for State Enforceable Permit Terms and**

**Condition - 6 NYCRR Part 201-5**

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

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



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law.

**ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state only enforceable.**

**Condition 241: Contaminant List**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable State Requirement:**

**ECL 19-0301**

**Item 241.1:**

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

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 007664-93-9

Name: SULFURIC ACID

CAS No: 0NY998-00-0

Name: VOC

**able noncompliance and violations**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable State Requirement:**

**6NYCRR 201-1.4**

**Item 242.1:**

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





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scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

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

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

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

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

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

**Condition 243: Emission Unit Definition**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable State Requirement:**

**6NYCRR 201-5**



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**Item 243.1(From Mod 2):**

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

Emission Unit: 1-AXBLR

End Date: 04/14/2005

Emission Unit Description:

EMISSION UNIT CONSISTS OF THE  
ER (AB) WHICH WILL PROVIDE  
O THE RECYCLED NEWSPRINT  
PLANT (RNMP) IN THE EVENT  
NGLE COMBUSTION TURBINE  
S AND/OR THE SINGLE STEAM

TURBINE ARE UNAVAILABLE.

Building(s): OUTSIDE

**Item 243.2(From Mod 2):**

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

Emission Unit: 1-CTDBR

Emission Unit Description:

EMISSION UNIT CONSISTS OF TWO

COMBUSTION TURBINES (CT) EQUIPPED WITH DRY

COMBUSTORS. THE CTS WILL BE  
ELECTRICAL GENERATORS THAT  
E ABOUT TWO THIRDS OF THE  
L ENERGY PRODUCED BY THE  
ANT. THE CT EXHAUST GASES  
CIRCULATING THROUGH THE  
EAM GENERATORS (HRSGS) TO  
EACH HRSG WILL CONTAIN A  
AT CAN BE FIRED TO PRODUCE  
DITION TO THE STEAM THAT IS

GENERATED FROM THE HEAT CONTAINED IN THE CT  
EXHAUST.

Building(s): COGENBLG  
OUTSIDE

**Item 243.3(From Mod 1):**

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

Emission Unit: 1-MISCC

Emission Unit Description:

EMISSION UNIT CONSISTS OF

MISCELLANEOUS REGULATED SOURCES ASSOCIATED

ENERATION PLANT. SOURCES  
2,000 KW EMERGENCY DIESEL

GENERATOR, A 300 BHP FIRE PUMP, A 2,350,000  
GALLON TANK TO STORE BACKUP DISTILLATE FUEL  
OIL, A 30,000 GALLON AQUEOUS (19%) AMMONIA



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TANK, AND A MULTI CELL MECHANICALLY INDUCED  
PLUME ABATEMENT COOLING  
TOWER.

Building(s): DEMINBLG  
OUTSIDE

**Item 243.4(From Mod 0):**

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

Emission Unit: 1-MISCR End Date: 02/01/2005

Emission Unit Description:

3 EMISSION UNIT CONSISTS OF

MISCELLANEOUS REGULATED SOURCES ASSOCIATED

. SOURCES INCLUDE A 410 KW  
EL GENERATOR, A 300 HP FIRE

PUMP, MISCELLANEOUS CHEMICAL STORAGE TANKS,  
AND TWO COOLING SYSTEMS.

Building(s): DEMINBLG  
OUTSIDE  
WTBLG

**Item 243.5(From Mod 0):**

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

Emission Unit: 1-RNMPP End Date: 02/01/2005

Emission Unit Description:

JNIT CONSISTS OF PROCESSES  
H THE RECYCLED NEWSPRINT

MANUFACTURING PLANT (RNMP), LOCATED IN THE

ING AND THE PAPER MACHINE  
NKGING PROCESSES INCLUDE A

STOCK PREPARATION PULPER, FOUR THICKENERS,  
TWO SLUDGE PRESSES, A DRUM PULPER AND HIGH

DIP STORAGE. THIS BUILDING

ALSO CONTAINS A CLOSED SYSTEM HYDROSULFITE  
BLEACHING PROCESS. PROCESSES IN THE PAPER

LDING INCLUDE THE WET END  
AND THE DRY END SOURCES.

SOURCES INCLUDE A SAVEALL  
IERS, TWO MIST COLLECTORS,  
MACHINE VACUUM SYSTEM.

S SOURCES INCLUDE A PAPER  
END PULPER, A REEL PULPER

AND TWO WINDER PULPERS.

Building(s): DEINK  
PAPER



**New York State Department of Environmental Conservation**

**814-00052/00001 Facility DEC ID: 4381400052**

RECVG

**Item 243.6(From Mod 0):**

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

Emission Unit: 1-WWTMP

End Date: 02/01/2005

Emission Unit Description:

ON UNIT IS THE WASTEWATER

TREATMENT SYSTEM FOR THE COGENERATION PLANT

INP. EFFLUENT FROM RNMP IS

TREATED IN A PRIMARY CLARIFIER, THEN COOLED

ANGER PRIOR TO SECONDARY

COGENERATION EFFLUENT IS

THE SECONDARY TREATMENT

FOR TO TERTIARY STAGE AND

FILTRATION.

Building(s): WWTMP

**Condition 244: Air pollution prohibited**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable State Requirement:**

**6NYCRR 211.2**

**Item 244.1:**

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 \*\*\*\***

**Point Definition By Emission Unit**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable State Requirement:**

**6NYCRR 201-5**

**Item 245.1(From Mod 2):**

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

Emission Unit: 1-AXBRLR

Emission Point: 0100C

Height (ft.): 248

Diameter (in.): 72



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NYTMN (km.): 4719.789 NYTME (km.): 602.626 Building: OUTSIDE

**Item 245.2(From Mod 1):**

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

Emission Unit: 1-CTDBR

Emission Point: 0100A

Height (ft.): 248

Diameter (in.): 228

NYTMN (km.): 4719.793 NYTME (km.): 602.589 Building: OUTSIDE

Emission Point: 0100B

Height (ft.): 248

Diameter (in.): 228

NYTMN (km.): 4719.78 NYTME (km.): 602.621 Building: OUTSIDE

**Item 245.3(From Mod 1):**

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

Emission Unit: 1-MISCC

Emission Point: 00101

Height (ft.): 76

Diameter (in.): 20

NYTMN (km.): 4719.67 NYTME (km.): 602.65 Building: OUTSIDE

Emission Point: 00102

Height (ft.): 16

Diameter (in.): 6

NYTMN (km.): 4719.82 NYTME (km.): 602.66 Building: DEMINBLG

Emission Point: 00103

Height (ft.): 41

Diameter (in.): 4

NYTMN (km.): 4719.85 NYTME (km.): 602.62

Emission Point: 00104

Height (ft.): 23

Diameter (in.): 6

NYTMN (km.): 4719.81 NYTME (km.): 602.59

Emission Point: 00105

Height (ft.): 70

Diameter (in.): 1375

NYTMN (km.): 4719.71 NYTME (km.): 602.7

**Item 245.4(From Mod 0):**

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

Emission Unit: 1-MISCR

Emission Point: 00200

Removal Date: 02/01/2005

Height (ft.): 50

Diameter (in.): 8



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NYTMN (km.): 4720.37 NYTME (km.): 602.4 Building: WTBLG

Emission Point: 00201 Removal Date: 02/01/2005  
Height (ft.): 50 Diameter (in.): 6  
NYTMN (km.): 4720.37 NYTME (km.): 602.4 Building: WTBLG

Emission Point: 00218 Removal Date: 02/01/2005  
Height (ft.): 75 Diameter (in.): 19  
NYTMN (km.): 4720.2 NYTME (km.): 602.81

Emission Point: 00219 Removal Date: 02/01/2005  
Height (ft.): 75 Diameter (in.): 19  
NYTMN (km.): 4720.23 NYTME (km.): 602.81

**Item 245.5(From Mod 0):**

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

Emission Unit: 1-RNMPP

Emission Point: 00300 Removal Date: 02/01/2005  
Height (ft.): 212 Diameter (in.): 194  
NYTMN (km.): 4720.32 NYTME (km.): 602.52 Building: RECVG

Emission Point: 00301 Removal Date: 02/01/2005  
Height (ft.): 135 Diameter (in.): 43  
NYTMN (km.): 4720.28 NYTME (km.): 602.76 Building: DEINK

**Item 245.6(From Mod 0):**

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

Emission Unit: 1-WWTMP

Emission Point: 00211 Removal Date: 02/01/2005  
Height (ft.): 45 Diameter (in.): 25  
NYTMN (km.): 4720.3 NYTME (km.): 602.41

Emission Point: 00212 Removal Date: 02/01/2005  
Height (ft.): 60 Diameter (in.): 24  
NYTMN (km.): 4720.27 NYTME (km.): 602.41

Emission Point: 0210A Removal Date: 02/01/2005  
Height (ft.): 25 Diameter (in.): 40  
NYTMN (km.): 4720.12 NYTME (km.): 602.4

Emission Point: 0210B Removal Date: 02/01/2005  
Height (ft.): 25 Diameter (in.): 40  
NYTMN (km.): 4720.18 NYTME (km.): 602.4



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**Process Definition By Emission Unit**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable State Requirement:**

**6NYCRR 201-5**

**Item 246.1(From Mod 2):**

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

Emission Unit: 1-AXBLR

ProcSource Classification Code: 1-02-006-02

Process End Date: 4/14/2005

Process Description:

S CONSISTS OF AN AUXILIARY  
R) FIRING NATURAL GAS. THE  
R IS EQUIPPED WITH LOW NOX  
ROGEN OXIDES ARE FURTHER  
D WITH THE USE OF SELECTIVE  
CATALYTIC REDUCTION (SCR03).

Emission Source/Control: AXBLR - Combustion

Design Capacity: 423 million Btu per hour

Emission Source/Control: SCR03 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 246.2(From Mod 2):**

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

Emission Unit: 1-AXBLR

ProcSource Classification Code: 1-02-005-02

Process End Date: 4/14/2005

Process Description:

S CONSISTS OF AN AUXILIARY

BOILER (AXBLR) FIRING LOW SULFUR DISTILLATE  
OIL. THE AUXILIARY BOILER IS EQUIPPED WITH

NERS. NITROGEN OXIDES ARE  
ONTROLLED WITH THE USE OF  
CATALYTIC REDUCTION (SCR03).

Emission Source/Control: AXBLR - Combustion

Design Capacity: 423 million Btu per hour

Emission Source/Control: SCR03 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 246.3(From Mod 2):**



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

Emission Unit: 1-CTDBR

ProcSource Classification Code: 2-01-002-09

Process Description:

PROCESS CONSISTS OF ONE OR TWO  
TUBINES (CTRB1 AND CTRB2)  
FURNING NATURAL GAS. EACH COMBUSTION  
UNIT IS EQUIPPED WITH DRY LOW NOX  
BURNERS. NITROGEN OXIDES ARE FURTHER  
CONTROLLED WITH THE USE OF SELECTIVE  
CATALYTIC REDUCTION (SCR01 AND SCR02).

CARBON MONOXIDE AND VOC ARE CONTROLLED WITH  
TITANIUM DIOXIDE CATALYST (OXCT1 AND OXCT2).

Emission Source/Control: CTRB1 - Combustion

Design Capacity: 2,099 million Btu per hour

Emission Source/Control: CTRB2 - Combustion

Design Capacity: 2,099 million Btu per hour

Emission Source/Control: OXCT1 - Control

CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control

CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 246.4(From Mod 2):**

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

Emission Unit: 1-CTDBR

ProcSource Classification Code: 2-01-001-09

Process Description:

PROCESS CONSISTS OF ONE OR TWO  
TUBINES (CTRB1 AND CTRB2)  
FURNING LOW SULFUR DISTILLATE OIL. NITROGEN  
OXIDES ARE CONTROLLED DURING DISTILLATE  
BURNING WITH NITROGEN  
DIESEL OIL INJECTION AND SELECTIVE  
CATALYTIC REDUCTION (SCR01 AND SCR01).

CARBON MONOXIDE AND VOC ARE CONTROLLED WITH  
TITANIUM DIOXIDE CATALYST (OXCT1 AND OXCT2).





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TURBINES ARE REQUIRED TO  
SULFUR DISTILLATE OIL (0.05%  
SULFUR).

Emission Source/Control: CTRB1 - Combustion  
Design Capacity: 2,099 million Btu per hour

Emission Source/Control: CTRB2 - Combustion  
Design Capacity: 2,099 million Btu per hour

CATALYTIC OXIDATION  
Emission Source/Control: OXCT1 - Control

CATALYTIC OXIDATION  
Emission Source/Control: OXCT2 - Control

Emission Source/Control: SCR01 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 246.5(From Mod 2):**

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

Emission Unit: 1-CTDBR  
ProcSource Classification Code: 2-01-002-09  
Process Description:

PROCESS CONSISTS OF ONE OR TWO  
TURBINES/HEAT RECOVERY STEAM  
GENERATORS (CTRB1/DBRN1 AND/OR  
CTRB2/DBRN2) FIRING NATURAL GAS IN BOTH THE  
FURNACE AND DUCT BURNER. EACH  
COMBUSTION TURBINE IS EQUIPPED WITH DRY LOW  
NOX BURNERS. IN ADDITION, NITROGEN  
OXIDES ARE FURTHER CONTROLLED WITH THE USE  
OF SELECTIVE CATALYTIC REDUCTION (SCR01 AND  
SCR02). CARBON MONOXIDE AND VOC ARE  
CONTROLLED WITH CATALYTIC OXIDATION CATALYST (OXCT1  
AND OXCT2).

Emission Source/Control: CTRB1 - Combustion  
Design Capacity: 2,099 million Btu per hour

Emission Source/Control: CTRB2 - Combustion  
Design Capacity: 2,099 million Btu per hour



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Emission Source/Control: DBRN1 - Combustion  
Design Capacity: 646 million Btu per hour

Emission Source/Control: DBRN2 - Combustion  
Design Capacity: 646 million Btu per hour

Emission Source/Control: OXCT1 - Control

CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control

CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 246.6(From Mod 2):**

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

Emission Unit: 1-CTDBR  
ProcSource Classification Code: 2-01-001-09  
Process Description:

PROCESS CONSISTS OF ONE OR TWO  
FURNACES/HEAT RECOVERY STEAM  
GENERATOR TRAINS (CTRB1/DBRN1 AND  
CTRB2/DBRN2) FIRING LOW SULFUR DISTILLATE  
OIL IN COMBUSTION TURBINE(S) AND  
FIRING DISTILLATE FIRING WITH  
NITROGEN OXIDES ARE CONTROLLED WITH  
SELECTIVE CATALYTIC REDUCTION (SCR01 AND SCR02). CARBON  
MONOXIDE AND VOC ARE CONTROLLED WITH  
OXIDATION CATALYST (OXCT1 AND OXCT2).  
COMBUSTION TURBINES ARE REQUIRED TO

FIRE A LOW SULFUR DISTILLATE OIL (0.05% SULFUR).

Emission Source/Control: CTRB1 - Combustion  
Design Capacity: 2,099 million Btu per hour

Emission Source/Control: CTRB2 - Combustion  
Design Capacity: 2,099 million Btu per hour

Emission Source/Control: DBRN1 - Combustion  
Design Capacity: 646 million Btu per hour



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Emission Source/Control: DBRN2 - Combustion  
Design Capacity: 646 million Btu per hour

Emission Source/Control: OXCT1 - Control

CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control

CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 246.7(From Mod 1):**

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

Emission Unit: 1-MISCC  
ProcSource Classification Code: 2-01-001-02  
Process Description:

THE COMBUSTION OF DIESEL  
2,000 KW EMERGENCY DIESEL  
ENGINE (EDG01), USED TO PROVIDE  
POWER TO CRITICAL SYSTEMS IN THE  
EVENT OF A POWER FAILURE, AND A 300 BHP  
FIRE PUMP ENGINE (FIRE1). THIS  
PROCESS OPERATES AT VARYING  
RATES DURING EMERGENCIES  
AND FOR BRIEF PERIODS OF NON EMERGENCIES IN  
PERFORMING MAINTENANCE ON THE  
FIRE FIGHTING SYSTEM.

Emission Source/Control: EDG01 - Combustion

Design Capacity: 2,000 kilowatts

Emission Source/Control: FIRE1 - Combustion

Design Capacity: 300 horsepower (boiler)

**Item 246.8(From Mod 1):**

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

Emission Unit: 1-MISCC  
Process: C22  
Process Description:

THIS PROCESS IS FOR A 2,350,000 GALLON  
JP DISTILLATE FUEL OIL TANK.



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Emission Source/Control: TANK1 - Process

Capacity: 2,350,000 gallons

**Item 246.9(From Mod 1):**

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

Emission Unit: 1-MISCC

Process: C23

Process Description:

PROCESS IS FOR A 30,000 GALLON  
RAGE TANK. THE AMMONIA IS  
OPERATION OF THE SELECTIVE

CATALYTIC REDUCTION USED FOR NOX CONTROL IN  
THE POWER PLANT.

Emission Source/Control: NH3TK - Process

Capacity: 30,000 gallons

**Item 246.10(From Mod 1):**

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

Emission Unit: 1-MISCC

Process: C24

Process Description:

FOR THE WET/DRY, INDUCED  
MENT COOLING TOWER THAT  
IDE COOLING WATER FOR THE  
COOLING TOWER COMPONENTS  
ASIN, FANS, FAN DECKS, DRIFT  
ILL MATERIAL (BAFFLES), AND

DRY COIL

Emission Source/Control: CTWR1 - Process

**Item 246.11(From Mod 0):**

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

Emission Unit: 1-MISCR

Process: R31

Process End Date: 2/1/2005

Process Description:

THE COMBUSTION OF DIESEL  
IN A 410 KW STANDBY DIESEL  
OR (EDG02), USED TO PROVIDE  
TO CRITICAL SYSTEMS IN THE  
OWER FAILURE, AND A 300 BHP



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WATER PUMP ENGINE (FIRE2).

LESS ONLY OPERATES DURING  
D FOR BRIEF PERIODS OF NON

EMERGENCIES IN ORDER TO PERFORM MAINTENANCE  
ON THE SYSTEM.

Emission Source/Control: EDG02 - Combustion  
Design Capacity: 410 kilowatts

Emission Source/Control: FIRE2 - Combustion  
Design Capacity: 300 horsepower (mechanical)

**Item 246.12(From Mod 0):**

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

Emission Unit: 1-MISCR  
Process: R32  
Process End Date: 2/1/2005  
Process Description:

FOR MISCELLANEOUS STORAGE  
SOLUTIONS AND NONVOLATILE  
CHEMICALS.

Emission Source/Control: RTANK - Process

**Item 246.13(From Mod 0):**

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

Emission Unit: 1-MISCR  
Process: R33  
Process End Date: 2/1/2005  
Process Description:

THIS IS FOR TWO CLOSED CIRCUIT  
COOLING TOWERS. THE TOWERS  
USE SPRAY WATER ON COIL  
COOLING), WHEN THE OUTSIDE  
TEMPERATURE IS ABOVE 32 DEGREES F AND  
COOLING (AIR ONLY) WHEN THE

OUTSIDE AIR TEMPERATURE IS BELOW 32 DEGREES

UNDER WATER FREEZING CONDITIONS.

Emission Source/Control: CCTWR - Process

Emission Source/Control: VPSCT - Process

**Item 246.14(From Mod 0):**



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

Emission Unit: 1-RNMPP

Process: RA1

Process End Date: 2/1/2005

Process Description:

FOR THE DEINKING BUILDING

PROCESSES. THE DEINKING BUILDING INCLUDES

ATION PULPER (SPPLP), WHICH

OR CONTAMINANTS FROM THE

DEDED RECYCLED NEWSPRINT,

READYING THE REMAINING PULP FOR PROCESSING.

OWS FROM THE PULPERS TO

TRIFUGAL SEPARATORS AND

THEN TO SEVERAL THICKENERS (THCK11, THCK12,  
THCK13 AND THCK14) AND FLOTATION STAGES TO

DISPERSION IS USED TO BREAK

DOWN LARGE PARTICLES (SPRS11, AND SPRS12).

USED TO DETACH INKS FROM

AND TO IMPROVE BRIGHTNESS

CHARACTERISTICS OF THE FIBER. THISPROCESS

DRUMPULPER (DRPLP). VOC

EMISSIONS FROM THE DEINKING PROCESS SOURCES  
ARE CONTROLLED USING A FLUIDIZED BED CARBON  
ADSORPTION SYSTEM (CBN01).

EMISSIONS FROM THE CARBON REGENERATION UNIT

USING A THERMAL OXIDIZER

AND ARE DISCHARGED TO THE

OSPHERE THROUGH EP00300.

Emission Source/Control: CBN01 - Control

CARBON ADSORPTION

Emission Source/Control: TOX01 - Control

: THERMAL OXIDATION

Emission Source/Control: DRPLR - Process

Emission Source/Control: SPPLR - Process

Emission Source/Control: SPR11 - Process

Emission Source/Control: SPR12 - Process

Emission Source/Control: THC11 - Process

Emission Source/Control: THC12 - Process



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Emission Source/Control: THC13 - Process

Emission Source/Control: THCI4 - Process

**Item 246.15(From Mod 0):**

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

Emission Unit: 1-RNMPP

Process: RA3

Process End Date: 2/1/2005

Process Description:

THIS IS FOR THE WET END OF THE  
THE MECHANICAL PULP FROM

THE DEINK BUILDING IS PLACED ON THE WET END

CHINE WHICH INCORPORATES  
AL SYSTEMS AND A PRESSING

PROCESS TO CONVERT THE PULP FROM A VERY WET

FINISHED NEWSPRINT. THE WET  
LINE INCLUDES TWO FORMERS  
(RMR2), TWO MIST COLLECTOR  
(C2), A PRESS (PRESS), A PRESS  
(LP) AND A MACHINE VACUUM

(MVACM).

ALSO INCLUDES THE SAVEALL  
(D SAHD2) WHICH IS A DEVICE  
RECOVERY OF FIBERS FROM THE

WHITE WATER SYSTEM. VOC EMISSIONS FROM THE  
WET END OF THE PAPER MACHINE ARE CONTROLLED

BY A BED CARBON ADSORPTION  
EMISSIONS FROM THE CARBON  
ARE CONTROLLED USING A THERMAL

OXIDIZER (TOX02) AND ARE DISCHARGED TO THE

ATMOSPHERE THROUGH EP 00300.

Emission Source/Control: CNB02 - Control

CARBON ADSORPTION

Emission Source/Control: TOX02 - Control

BY THERMAL OXIDATION



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Emission Source/Control: FMR11 - Process  
Emission Source/Control: FMR12 - Process  
Emission Source/Control: MSTC1 - Process  
Emission Source/Control: MSTC2 - Process  
Emission Source/Control: MVAC1 - Process  
Emission Source/Control: PPPL1 - Process  
Emission Source/Control: PRES1 - Process  
Emission Source/Control: SAH11 - Process  
Emission Source/Control: SAH12 - Process

**Item 246.16(From Mod 0):**

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

Emission Unit: 1-RNMPP  
Process: RA4  
Process End Date: 2/1/2005  
Process Description:

S IS FOR THE DRY END OF THE PAPER MACHINE. PAPER MACHINE CALENDARS ARE  
IE FINISHED NEWSPRINT INTO  
LS THAT ARE SUBSEQUENTLY  
EWINDERS FOR CUTTING AND  
END OF THE PAPER MACHINE  
INLY OF THE DRYER (MHD11).  
OCESSES INCLUDE A DRY END  
, A REEL PULPER (RLPL), AND  
PULPERS ( WPL11 AND WPL12).  
ISSIONS DISCHARGED TO THE  
MOSPHERE THROUGH EP 00300.

Emission Source/Control: DEPL1 - Process  
Emission Source/Control: MHD11 - Process  
Emission Source/Control: RLPL1 - Process  
Emission Source/Control: WPL11 - Process  
Emission Source/Control: WPL12 - Process





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**Item 246.17(From Mod 0):**

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

Emission Unit: 1-WWTMP

Process: R22

Process End Date: 2/1/2005

Process Description:

IE PRIMARY AND SECONDARY  
MP WASTEWATER. EMISSIONS  
THE PUMP STATION, PRIMARY

CLARIFIER AND ACTIVATED SLUDGE TREATMENT.

ATION IS LOCATED INSIDE THE  
EATMENT BUILDING WHICH IS

EXHAUSTED THROUGH EP 000212. THE PRIMARY

CTIVATED SLUDGE AERATION  
D AND EXHAUSTED THROUGH  
0211 AND EP 0210A AND O210B

RESPECTIVELY.

Emission Source/Control: AST01 - Process

Emission Source/Control: PCLAR - Process

Emission Source/Control: PUMPS - Process

**Condition 1-193: Compliance Demonstration**

**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable State Requirement:**

**6NYCRR 201-5**

**Item 1-193.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

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

**Item 1-193.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ITY SHALL, WITHIN ONE YEAR  
NCEMENT OF COMMERCIAL  
T START-UP/SHUTDOWN DATA



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MODIFICATION TO ESTABLISH  
ABUSTION TURBINE START-UP  
MISSION RATES FOR NO<sub>x</sub>, AND  
I ESTABLISHED RATES WOULD  
A VIOLATION OF APPLICABLE  
NAAQS.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-194: Compliance Demonstration**  
**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 1-194.1:**  
The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

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

**Item 1-194.2:**  
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

ITY SHALL, WITHIN ONE YEAR  
ÆNCEMENT OF COMMERCIAL  
Γ START-UP/SHUTDOWN DATA  
MODIFICATION TO ESTABLISH  
ABUSTION TURBINE START-UP  
MISSION RATES FOR NH<sub>3</sub>, AND  
I ESTABLISHED RATES WOULD  
A VIOLATION OF APPLICABLE  
NAAQS.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-195: Compliance Demonstration**  
**Effective between the dates of 03/01/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 1-195.1:**



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The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 1-195.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ITY SHALL, WITHIN ONE YEAR  
ENCEMENT OF COMMERCIAL  
T START-UP/SHUTDOWN DATA  
MODIFICATION TO ESTABLISH  
IBUSTION TURBINE START-UP  
EMISSION RATES FOR CO, AND  
I ESTABLISHED RATES WOULD  
A VIOLATION OF APPLICABLE

NAAQS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 251: Compliance Demonstration**

**Effective between the dates of 09/23/2004 and Permit Expiration Date**

**Applicable State Requirement:**

**6NYCRR 227-1.4(a)**

**Item 251.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CTDBR

**Item 251.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

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



**New York State Department of Environmental Conservation**

**814-00052/00001 Facility DEC ID: 4381400052**

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.

meter Monitored: OPACITY  
Permit Limit: 20 percent

Reference Test Method: Appendix B, 40 CFR 60

Frequency: CONTINUOUS  
Period: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.

Initial report is due 10/30/2004.

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