

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2620600012**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 2-6206-00012/00016  
Mod 0 Effective Date: 03/21/2002 Expiration Date: 03/20/2007  
Mod 1 Effective Date: 12/16/2003 Expiration Date: 03/20/2007  
Mod 2 Effective Date: 11/21/2005 Expiration Date: 03/20/2007

Permit Issued To: CONSOLIDATED EDISON COMPANY OF NEW YORK INC  
4 IRVING PL RM 828  
NEW YORK, NY 10003-3502

Contact: OLEG KROTOFF  
CONSOLIDATED EDISON CO OF NY INC  
4 IRVING PLACE - RM 828  
NEW YORK, NY 10003-3502  
(212) 460-4413

Facility: CON ED-EAST RIVER GENERATING STATION  
701-827 EAST 14TH ST  
NEW YORK, NY 10009

Contact: OLEG KROTOFF  
CONSOLIDATED EDISON CO OF NY INC  
4 IRVING PLACE - RM 828  
NEW YORK, NY 10003-3502  
(212) 460-4413

Description:  
Based on performance testing for the East River Units 1 and 2, Con Ed is seeking minor modifications of its Title V permit to substitute a more stringent, single PM-10 emissions limit for existing "primary" and "secondary" PM-10 limits; to eliminate duct burner heat input limits; and to reduce the maximum annual potential PM-10 emissions tonnage by approximately 16 percent. Con Ed also seeks minor permit modifications for an alternative to the existing Method 8 performance testing protocol for determining compliance with sulfuric acid mist (H<sub>2</sub>SO<sub>4</sub>) emission limits.

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

Permit Administrator:            JOHN F CRYAN  
   DIVISION OF ENVIRONMENTAL PERMITS  
   ONE HUNTERS POINT PLAZA, 47-40 21ST STREET  
   LONG ISLAND CITY, NY 11101-5407

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

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal-REGION 2  
HEADQUARTERS



**DEC GENERAL CONDITIONS**

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

**For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions**

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

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

**Item 2.1:**

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

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

**Item 1-1.1:**

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 1-1.2:**

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 1-1.3:**



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

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

**Expired by Mod No: 1**

**Item 3.1:**

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

**Item 3.2:**

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

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

**Item 4.1:**

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

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

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

**Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 2 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 5.1:**

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

NYSDEC Regional Permit Administrator  
Region 2 Headquarters  
Division of Environmental Permits  
1 Hunters Point Plaza, 4740 21st Street

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Long Island City, NY 11101-5407  
(718) 482-4997



**New York State Department of Environmental Conservation**

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

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

**IDENTIFICATION INFORMATION**

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4 IRVING PL RM 828  
NEW YORK, NY 10003-3502

Facility: CON ED-EAST RIVER GENERATING STATION  
701-827 EAST 14TH ST  
NEW YORK, NY 10009

Authorized Activity By Standard Industrial Classification Code:  
4911 - ELECTRIC SERVICES  
4961 - STEAM SUPPLY

Mod 0 Permit Effective Date: 03/21/2002

Permit Expiration Date: 03/20/2007

Mod 1 Permit Effective Date: 12/16/2003

Permit Expiration Date: 03/20/2007

Mod 2 Permit Effective Date: 11/21/2005

Permit Expiration Date: 03/20/2007



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 2-1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2-2 6NYCRR 201-6.5(a)(7): Fees
- 1-1 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 1-2 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 1-3 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 1-4 6NYCRR 201-6.5(e): Compliance Certification
- 28 6NYCRR 202-2.1: Compliance Certification
- 29 6NYCRR 202-2.5: Recordkeeping requirements
- 2-3 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 2-4 6NYCRR 200.7: Maintenance of Equipment
- 2-5 6NYCRR 201-1.7: Recycling and Salvage
- 2-6 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 2-7 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 2-8 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 2-9 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 2-10 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 2-11 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 2-12 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 2-13 6NYCRR 202-1.1: Required Emissions Tests
- 2-14 6NYCRR 211.3: Visible Emissions Limited
- 2-15 40CFR 68: Accidental release provisions.
- 2-16 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6NYCRR 201-6: Emission Unit Definition
- 1-5 6NYCRR 225-1.2(a)(2): Compliance Certification
- 33 6NYCRR 225-1.4: Temporary variances.
- 34 6NYCRR 225-1.8: Compliance Certification
- 35 6NYCRR 225-1.8(d): Sampling, compositing, and analysis of fuel samples
- 36 6NYCRR 227-2.1: This condition states the facility is applicable to NO<sub>x</sub> RACT.
- 37 6NYCRR 227-2.5(b): Compliance Certification
- 38 6NYCRR 227-2.6(b): Compliance Certification
- 39 6NYCRR 231-2.4: Notification/Reporting requirements
- 40 6NYCRR 231-2.4: Emission offset requirements
- 41 6NYCRR 231-2.4: Emission offset requirements
- 42 6NYCRR 231-2.4: Emission offset requirements - VOC
- 1-6 6NYCRR 231-2.4: Compliance Certification
- 1-8 6NYCRR 231-2.4: Compliance Certification
- 2-17 6NYCRR 231-2.4: Compliance Certification
- 46 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.



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- 47 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification -  
if a COM is used
- 48 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 49 40CFR 60.7(c), NSPS Subpart A: Excess emissions report.
- 50 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 51 40CFR 60.8(a), NSPS Subpart A: Performance Testing Timeline
- 52 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 53 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 54 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 55 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 56 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 57 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 58 40CFR 60.12, NSPS Subpart A: Circumvention.
- 59 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 60 40CFR 60.14, NSPS Subpart A: Modifications.
- 61 40CFR 60.15, NSPS Subpart A: Reconstruction
- 62 40CFR 72: Facility Subject to Title IV Acid Rain Regulations and  
Permitting
- 63 40CFR 82: Recycling and emissions reduction.

**Emission Unit Level**

- 65 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 66 6NYCRR 201-6: Process Definition By Emission Unit

**EU=E-R0001**

- 67 6NYCRR 204-1.6: Permit requirements (facilities commencing operation  
on or after 01/00)
- 68 6NYCRR 204-1.6: Permits requirements.
- 69 6NYCRR 204-2.1: Submissions to the Department.
- 70 6NYCRR 204-4.1: Content of reports and compliance certifications.
- 71 6NYCRR 204-4.1: Discretionary report contents.
- 72 6NYCRR 204-4.1: Compliance Certification
- 73 6NYCRR 204-7.1: Submission of NOx allowance transfers.
- 74 6NYCRR 204-8.1: General provisions.
- 75 6NYCRR 204-8.1: Prohibitions.
- 76 6NYCRR 204-8.1: Requirements for installation, certification, and  
data accounting.
- 77 6NYCRR 204-8.2: Requirements for recertification of monitoring systems.
- 78 6NYCRR 204-8.2: Compliance Certification
- 79 6NYCRR 204-8.3: Out of control periods.
- 80 6NYCRR 204-8.7: Compliance Certification
- 81 6NYCRR 225-1.7: Compliance Certification
- 82 6NYCRR 227-1.3: Compliance Certification
- 83 6NYCRR 227-1.3: Compliance Plan
- 84 6NYCRR 227-3.12: Authorized Account Representatives (AARs)
- 90 40CFR 72: Facility Subject to Title IV Acid Rain Regulations and  
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**EU=E-R0001,Proc=RO1**

91 6NYCRR 227-1.2(a)(1): Compliance Certification

**EU=E-R0002**

92 6NYCRR 225-1.7: Compliance Certification

93 6NYCRR 227-1.3: Compliance Certification

94 6NYCRR 227-1.3: Compliance Plan

**EU=E-R0002,Proc=FO1**

95 6NYCRR 225-1.2(a)(1): Compliance Certification

96 6NYCRR 227-1.3(a): Compliance Certification

2-18 40CFR 52.21(j), Subpart A: Compliance Certification

97 40CFR 52.21(j), Subpart A: Compliance Certification

98 40CFR 52.21(j), Subpart A: Compliance Certification

99 40CFR 52.21(j), Subpart A: Compliance Certification

100 40CFR 52.21(j), Subpart A: Compliance Certification

102 40CFR 52.21(j), Subpart A: Compliance Certification

103 40CFR 60.332(a), NSPS Subpart GG: Compliance Certification

2-19 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification

2-20 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification

106 40CFR 75.11(d), Subpart B: Compliance Certification

**EU=E-R0002,Proc=NG4**

2-21 40CFR 52.21(j), Subpart A: Compliance Certification

107 40CFR 52.21(j), Subpart A: Compliance Certification

108 40CFR 52.21(j), Subpart A: Compliance Certification

109 40CFR 52.21(j), Subpart A: Compliance Certification

110 40CFR 52.21(j), Subpart A: Compliance Certification

111 40CFR 52.21(j), Subpart A: Compliance Certification

112 40CFR 52.21(j), Subpart A: Compliance Certification

113 40CFR 52.21(j), Subpart A: Compliance Certification

118 40CFR 60.332(a), NSPS Subpart GG: Compliance Certification

119 40CFR 60.332(a), NSPS Subpart GG: Compliance Certification

2-22 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification

2-23 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification

122 40CFR 75.11(d), Subpart B: Compliance Certification

**EU=E-R0002,Proc=NG4,ES=HRSG1**

123 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification

**EU=E-R0002,Proc=RO2**

124 6NYCRR 227-1.2(a)(1): Compliance Certification

**EU=E-R0003**

125 6NYCRR 227-1.3: Compliance Plan

**EU=E-R0003,Proc=FO3**



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- 126 6NYCRR 225-1.2(a)(1): Compliance Certification
- 127 6NYCRR 227-1.3(a): Compliance Certification
- 2-24 40CFR 52.21(j), Subpart A: Compliance Certification
- 128 40CFR 52.21(j), Subpart A: Compliance Certification
- 129 40CFR 52.21(j), Subpart A: Compliance Certification
- 130 40CFR 52.21(j), Subpart A: Compliance Certification
- 131 40CFR 52.21(j), Subpart A: Compliance Certification
- 133 40CFR 52.21(j), Subpart A: Compliance Certification
- 134 40CFR 60.332(a), NSPS Subpart GG: Compliance Certification
- 2-25 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 2-26 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 137 40CFR 75.11(d), Subpart B: Compliance Certification

**EU=E-R0003,Proc=NG3**

- 2-27 40CFR 52.21(j), Subpart A: Compliance Certification
- 142 40CFR 52.21(j), Subpart A: Compliance Certification
- 143 40CFR 52.21(j), Subpart A: Compliance Certification
- 144 40CFR 52.21(j), Subpart A: Compliance Certification
- 145 40CFR 52.21(j), Subpart A: Compliance Certification
- 146 40CFR 52.21(j), Subpart A: Compliance Certification
- 147 40CFR 52.21(j), Subpart A: Compliance Certification
- 148 40CFR 52.21(j), Subpart A: Compliance Certification
- 149 40CFR 60.332(a), NSPS Subpart GG: Compliance Certification
- 150 40CFR 60.332(a), NSPS Subpart GG: Compliance Certification
- 2-28 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 2-29 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 153 40CFR 75.11(d), Subpart B: Compliance Certification

**EU=E-R0003,Proc=NG3,ES=HRSG2**

- 154 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification

**EU=E-R0011**

- 155 6NYCRR 212.6: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1-11 ECL 19-0301: Contaminant List
- 156 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 160 6NYCRR 211.2: Air pollution prohibited

**Emission Unit Level**

**EU=E-R0002**

- 2-30 6NYCRR 201-5: Compliance Demonstration

**EU=E-R0002,Proc=RO2**

- 163 6NYCRR 227-1.2(a)(2): Compliance Demonstration

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**EU=E-R0003**  
2-31 6NYCRR 201-5: Compliance Demonstration



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

**Item A: Emergency Defense - 6NYCRR Part 201-1.5**

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

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

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

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

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

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the 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 B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)**

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to



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Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

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

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

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

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

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

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

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

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

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

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in

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order to maintain compliance with the conditions of this permit.

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

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

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

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

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

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

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

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Act;

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

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

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

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

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

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

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

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

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



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is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

**Item L: Permit Exclusion - ECL 19-0305**

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

**Item M: 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.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.**

**Condition 2-1: Acceptable Ambient Air Quality**  
**Effective between the dates of 11/21/2005 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 2-1.1:**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit



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any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Condition 2-2: Fees**

**Effective between the dates of 11/21/2005 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(7)**

**Item 2-2.1:**

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

**Condition 1-1: Recordkeeping and reporting of compliance monitoring**

**Effective between the dates of 12/16/2003 and 03/20/2007**

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

**Item 1-1.1:**

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

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

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

**Condition 1-2: Monitoring, Related Recordkeeping, and Reporting Requirements.**

**Effective between the dates of 12/16/2003 and 03/20/2007**

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

**Item 1-2.1:**

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable



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regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 1-3: Compliance Certification**

**Effective between the dates of 12/16/2003 and 03/20/2007**

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

**Replaces Condition(s) 24**

**Item 1-3.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-3.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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



occurrence.

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

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

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

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

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

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periods described in paragraphs (1) and (4) above.

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2004.

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

**Condition 1-4: Compliance Certification**

**Effective between the dates of 12/16/2003 and 03/20/2007**

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

**Replaces Condition(s) 25**

**Item 1-4.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-4.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

i. Compliance certifications shall contain:

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

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

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

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary



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Source Compliance Section, the Region 2 EPA representative  
for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

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

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due on the same day each year

**Condition 28: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 28.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 28.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

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**Condition 29: Recordkeeping requirements**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 29.1:**

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

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

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

**Condition 2-3: Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective between the dates of 11/21/2005 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 215**

**Item 2-3.1:**

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

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT  
TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 2-4: Maintenance of Equipment**  
**Effective between the dates of 11/21/2005 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 2-4.1:**

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

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**Condition 2-5: Recycling and Salvage**  
Effective between the dates of 11/21/2005 and 03/20/2007

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

**Item 2-5.1:**

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

**Condition 2-6: Prohibition of Reintroduction of Collected Contaminants to the air**  
Effective between the dates of 11/21/2005 and 03/20/2007

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

**Item 2-6.1:**

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

**Condition 2-7: Exempt Sources - Proof of Eligibility**  
Effective between the dates of 11/21/2005 and 03/20/2007

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

**Item 2-7.1:**

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 2-8: Trivial Sources - Proof of Eligibility**  
Effective between the dates of 11/21/2005 and 03/20/2007

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

**Item 2-8.1:**

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part 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



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and Federal air pollution control requirements, regulations, or law.

**Condition 2-9: Standard Requirement - Provide Information**  
**Effective between the dates of 11/21/2005 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(4)**

**Item 2-9.1:**

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

**Condition 2-10: General Condition - Right to Inspect**  
**Effective between the dates of 11/21/2005 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(8)**

**Item 2-10.1:**

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 2-11: Standard Requirements - Progress Reports**  
**Effective between the dates of 11/21/2005 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(d)(5)**

**Item 2-11.1:**

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:



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

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

**Condition 2-12: Off Permit Changes**

**Effective between the dates of 11/21/2005 and 03/20/2007**

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

**Item 2-12.1:**

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

**Condition 2-13: Required Emissions Tests**

**Effective between the dates of 11/21/2005 and 03/20/2007**

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

**Item 2-13.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

**Condition 2-14: Visible Emissions Limited**

**Effective between the dates of 11/21/2005 and 03/20/2007**

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**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 2-14.1:**

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 2-15: Accidental release provisions.**

**Effective between the dates of 11/21/2005 and 03/20/2007**

**Applicable Federal Requirement: 40CFR 68**

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

**Item 2-15.1:**

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

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

Risk Management Plan Reporting Center  
C/O CSC  
8400 Corporate Dr  
Carrollton, Md. 20785

**Condition 2-16: Recycling and Emissions Reduction**

**Effective between the dates of 11/21/2005 and 03/20/2007**

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

**Item 2-16.1:**

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

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

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**Condition 23: Emission Unit Definition**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 23.1(From Mod 2):**

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

Emission Unit: E-R0002

Emission Unit Description:

Large boilers 110 through 119. All boilers have the capability to burn residual oil and have the capability to burn natural gas for ignition purposes. The present maximum total heat input for boilers 110 through 119 is 1,800 MMBtu/hr. After commencement of the East River Repowering Project (ERRP-1) the maximum total heat input for boilers 110 through 119 will be limited to 900 MMBtu/hr. This emission unit also includes a GE Model No. Pg7241 (fa) combustion turbine (CT) generator firing natural gas and low sulfur distillate oil (during an emergency and up to 16 hours per year) (ERRP 1). This CT train has an associated heat recovery steam generator (HRSG) with duct burner that will be fired with only natural gas. ERRP 1 and the large boilers 110 through 119 will exhaust through emission points 00001. During any period, each HRSG's duct burners shall be allowed to burn fuel at the maximum rated capacity, 26,664 million BTU per day on a block 24-hour basis (midnight to midnight).

Building(s): BOILERHS

**Item 23.2(From Mod 2):**

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

Emission Unit: E-R0003

Emission Unit Description:

Proposed Emission Unit R0003 represents a GE Model No. Pg7241 (fa) combustion turbine (CT) generator firing natural gas (and low sulfur distillate oil (during an emergency and up to 16 hours per year) (ERRP 2). This CT train has an associated heat recovery steam generator (HRSG) with duct burner that will be fired with only natural gas. ERRP 2 will exhaust through emission point 00002. During any period, each HRSG's duct burners shall be



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allowed to burn fuel at the maximum rated capacity, 26,664 million BTU per day on a block 24-hour basis (midnight to midnight).

Building(s): BOILERHS

**Item 23.3(From Mod 0):**

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

Emission Unit: E-R0001

Emission Unit Description:

Very large boilers 60 and 70. Both boilers have the capability to burn residual oil and natural gas, and can fire these fuels alone or together. Boiler 60 exhausts through emission point 00003 and boiler 70 exhausts through emission point 00004.

Building(s): BOILERHS

**Item 23.4(From Mod 0):**

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

Emission Unit: E-R0011

Emission Unit Description:

Vapor extractors for units 60 and 70.

Building(s): BOILERHS

**Condition 1-5: Compliance Certification**

**Effective between the dates of 12/16/2003 and 03/20/2007**

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

**Replaces Condition(s) 32**

**Item 1-5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall use, purchase sell, or offer for sale and residual fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.



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Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.30 percent by weight  
Monitoring Frequency: PER DELIVERY  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY  
TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2004.  
Subsequent reports are due every 6 calendar month(s).

**Condition 33: Temporary variances.**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 225-1.4**

**Item 33.1:**

Upon application by an air contamination source owner or a fuel supplier the commissioner may issue an order granting a temporary variance from the provisions of 6 NYCRR Part 225-1 where it can be shown, to the commissioner's satisfaction, that there is an insufficient supply of conforming fuel, either:

- (1) of the proper type required for use in a particular air contamination source; or
- (2) generally throughout an area of the State.

**Condition 34: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 34.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 34.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator of a facility which purchases and fires coal and/or oil shall submit reports to the commissioner containing fuel analysis data, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. All records shall be available for a minimum of three years.



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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.

The initial report is due 7/30/2002.

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

**Condition 35: Sampling, compositing, and analysis of fuel samples  
Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 35.1:**

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

**Condition 36: This condition states the facility is applicable to NOx RACT.  
Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 36.1:**

This facility is subject to NOx RACT.

**Condition 37: Compliance Certification  
Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 37.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 37.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Con Edison's system-wide averaging of NOx emissions from its facilities shall be performed in accordance with the most current version of the NOx RACT Compliance Plan and the NOx RACT Operating Plan, approved by the Department.



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The most current version of the NOx RACT Compliance and Operating Plans are attached to this permit and constitute an enforceable part of the permit."

Monitoring Frequency: CONTINUOUS  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2002.  
Subsequent reports are due every 3 calendar month(s).

**Condition 38: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 38.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility is subject to the applicable requirements of this subdivision; specifically paragraphs 227-2.6(b)(3) and 227-2.6(b)(4). The firm shall submit a quarterly written CEMS report for every calendar quarter. All quarterly reports shall be post marked by the 30th day following the end of each calendar quarter. These quarterly audit reports shall follow the guidance provided by the Department (draft Air Guide 34) and 40 CFR appendix F.

Monitoring Frequency: CONTINUOUS  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2002.  
Subsequent reports are due every 3 calendar month(s).

**Condition 39: Notification/Reporting requirements**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 231-2.4**



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**Item 39.1:**

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 39. 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 39.3:**

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

**Condition 40: Emission offset requirements**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 231-2.4**

**Item 40.1:**

To satisfy the emission offset requirements of Part 231, the facility has obtained PM-10 Emission Reduction Credits (ERCs) from the following sources:

Facility Name	DEC ID	ERCs (tpy)
59th Street Station	2-6202-00032	25.04
Waterside Generating Station	2-6206-00038	84.32

**Condition 41: Emission offset requirements**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 231-2.4**

**Item 41.1:**

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

Facility Name	DEC ID	ERCs (tpy)
Waterside Generating Station	2-6206-00038	193.02

**Condition 42: Emission offset requirements - VOC**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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**Applicable Federal Requirement: 6NYCRR 231-2.4**

**Item 42.1:**

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

Facility Name	DEC ID	ERCs (tpy)
Astoria Generating Station	2-6301-00006	11.87
Waterside Generating Station	2-6206-00038	37.77
GM Corp - N. Tarrytown Plant	3-5534-00104	170.00

**Condition 1-6: Compliance Certification**  
**Effective between the dates of 12/16/2003 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 231-2.4**

**Replaces Condition(s) 45**

**Item 1-6.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-R0002

Emission Unit: E-R0003

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 1-6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The total emissions of volatile organic compounds (VOC) from each of the two (2) truncated combined cycle combustion turbine units that comprise the East River Repowering Project shall not exceed 86 tons per year.

Parameter Monitored: VOC

Upper Permit Limit: 86 tons per year

Reference Test Method: Method 25

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



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The initial report is due 1/30/2004.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-8: Compliance Certification**  
**Effective between the dates of 12/16/2003 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 231-2.4**

**Replaces Condition(s) 44**

**Item 1-8.1:**

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

Emission Unit: E-R0002

Emission Unit: E-R0003

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

**Item 1-8.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The total emissions of oxides of nitrogen (NO<sub>x</sub>) from each of the two (2) truncated combined cycle combustion turbine units that comprise the East River Repowering Project shall not exceed 148.5 tons per year.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 148.5 tons per year

Reference Test Method: Method 7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2004.

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

**Condition 2-17: Compliance Certification**  
**Effective between the dates of 11/21/2005 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 231-2.4**

**Replaces Condition(s) 1-7**

**Item 2-17.1:**



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The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-R0002

Emission Unit: E-R0003

Regulated Contaminant(s):

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

**Item 2-17.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The total emissions of PM-10 from each of the two (2) truncated combined cycle combustion turbine units that comprise the East River Repowering Project shall not exceed 92.35 tons per year. The total PM-10 emissions from these 2 units shall not exceed 184.7 tons per year.

Parameter Monitored: PM-10

Upper Permit Limit: 184.7 tons per year

Reference Test Method: RM 201/201a and 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 46: EPA Region 2 address.**

**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A**

**Item 46.1:**

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



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

**Condition 47: Date of Construction Notification - if a COM is used  
Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 47.1:**

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

- 1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, post marked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date, if a continuous opacity monitor is not being used at the facility; 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, post marked not less than 30 days prior to the performance test.

**Condition 48: Recordkeeping requirements.  
Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 48.1:**

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

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inoperative.

**Condition 49: Excess emissions report.**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 49.1:**

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

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

**Condition 50: Facility files for subject sources.**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 50.1:**

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

**Condition 51: Performance Testing Timeline**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 51.1:**

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial start up of each turbine train (combustion turbine and heat recovery steam generator), the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to

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the Administrator.

**Condition 52: Performance test methods.**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 52.1:**

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

**Condition 53: Required performance test information.**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 53.1:**

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

**Condition 54: Prior notice.**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 54.1:**

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

**Condition 55: Performance testing facilities.**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 55.1:**

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

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

**Condition 56: Number of required tests.**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 56.1:**

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

**Condition 57: Opacity standard compliance testing.**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 57.1:**

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

- 1) observations shall be conducted in accordance with Reference Method 9, in Appendix A of 40 CFR Part 60 (or an equivalent method approved by the Administrator including continuous opacity monitors);
- 2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and
- 3) all other applicable conditions cited in section 60.11 of this part.

**Condition 58: Circumvention.**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A**

**Item 58.1:**

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

**Condition 59: Monitoring requirements.**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A**

**Item 59.1:**

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

**Condition 60: Modifications.**



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**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A**

**Item 60.1:**

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

**Condition 61: Reconstruction**

**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 40CFR 60.15, NSPS Subpart A**

**Item 61.1:**

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

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

**Condition 62: Facility Subject to Title IV Acid Rain Regulations and Permitting**

**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 40CFR 72**

**Item 62.1:** 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 63: Recycling and emissions reduction.**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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**Applicable Federal Requirement: 40CFR 82**

**Item 63.1:** The permittee shall comply with all applicable provisions of 40 CFR Part 82.

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

**Condition 65: Emission Point Definition By Emission Unit**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 65.1(From Mod 0):**

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

Emission Unit: E-R0001

Emission Point: 00003

Height (ft.): 370

Diameter (in.): 258

NYTMN (km.): 4509.023 NYTME (km.): 586.633 Building: BOILERHS

Emission Point: 00004

Height (ft.): 370

Diameter (in.): 180

NYTMN (km.): 4509.023 NYTME (km.): 586.633 Building: BOILERHS

**Item 65.2(From Mod 1):**

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

Emission Unit: E-R0002

Emission Point: 00001

Height (ft.): 370

Diameter (in.): 258

NYTMN (km.): 4508.788 NYTME (km.): 586.728 Building: PKBOILER

**Item 65.3(From Mod 1):**

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

Emission Unit: E-R0003

Emission Point: 00002

Height (ft.): 368

Diameter (in.): 255

NYTMN (km.): 4508.806 NYTME (km.): 586.695 Building: BOILERHS

**Item 65.4(From Mod 0):**

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



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Emission Unit: E-R0011

Emission Point: VE060

Height (ft.): 129

Diameter (in.): 4

Building: BOILERHS

Emission Point: VE070

Height (ft.): 129

Diameter (in.): 4

Building: BOILERHS

**Condition 66: Process Definition By Emission Unit**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 66.1(From Mod 2):**

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

Emission Unit: E-R0002

Process: FO1

Source Classification Code: 2-01-001-01

**Process Description:**

One combustion turbine (ERRP 1) firing low sulfur (0.045% maximum) distillate oil without supplementary duct firing in the heat recovery steam generator. Distillate oil will only be fired in an emergency (as defined in 6 NYCRR 201-2.1(b)(12)) and test firing up to 16 hours per year. Water injection and selective catalytic reduction are used to control NOx emissions, and an oxidation catalyst is used to control CO and VOC emissions. During test firing, only combustion turbine may be fired. Process information in section iv covers only emissions during testing. During emergency operations both the combustion turbine and duct burner may be fired.

Emission Source/Control: CT001 - Combustion

Design Capacity: 2,054 million Btu per hour

Emission Source/Control: HRSG1 - Combustion

Design Capacity: 1,111 million Btu per hour

Emission Source/Control: OX001 - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 66.2(From Mod 2):**



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

Emission Unit: E-R0002

Process: NG4

Source Classification Code: 2-01-002-01

Process Description:

Combustion Turbine (ERRP 1) firing natural gas with or without operation of heat recovery steam generator (HRSG). Dry low NOx burners and SCR are used to control NOx emissions and an oxidation catalyst is used to control CO

Emission Source/Control: CT001 - Combustion

Design Capacity: 2,054 million Btu per hour

Emission Source/Control: HRSG1 - Combustion

Design Capacity: 1,111 million Btu per hour

Emission Source/Control: OX001 - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 66.3(From Mod 2):**

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

Emission Unit: E-R0003

Process: FO3

Source Classification Code: 2-04-003-03

Process Description:

One combustion turbine (ERRP 2) firing low sulfur (0.045% maximum) distillate oil without supplementary duct firing in the heat recovery steam generator. Distillate oil will only be fired in an emergency (as defined in 6 NYCRR 201-2.1(b)(12)) and test firing up to 16 hours per year. Water injection and selective catalytic reduction are used to control NOx emissions and an oxidation catalyst is used to control CO and VOC emissions. During test firing only combustion turbine may be fired. Process information in section iv covers only emissions during testing. During emergency operation both the combustion turbine and duct burner may be fired.

Emission Source/Control: CT002 - Combustion

Design Capacity: 2,054 million Btu per hour

Emission Source/Control: HRSG2 - Combustion

Design Capacity: 1,111 million Btu per hour



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Emission Source/Control: OX002 - Control  
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR02 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 66.4(From Mod 2):**

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

Emission Unit: E-R0003

Process: NG3

Source Classification Code: 2-01-002-01

Process Description:

Combustion turbine (ERRP 2) firing natural gas with or without operation of heat recovery steam generator. Dry low NOx burner and selective catalytic reduction are used to control NOx emissions and an oxidation catalyst is used to control CO and VOC emissions.

Emission Source/Control: CT002 - Combustion  
Design Capacity: 2,054 million Btu per hour

Emission Source/Control: HRSG2 - Combustion  
Design Capacity: 1,111 million Btu per hour

Emission Source/Control: OX002 - Control  
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR02 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 66.5(From Mod 0):**

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

Emission Unit: E-R0001

Process: NG1

Source Classification Code: 1-01-006-01

Process Description:

This process includes: one (1) opposed and one (1) face fired boiler (Nos. 60 and 70) rated at 1930 and 1982 MMBtu/hr, respectively. This process covers the combustion of natural gas in these boilers.

Emission Source/Control: 00060 - Combustion  
Design Capacity: 1,930 million Btu per hour

Emission Source/Control: 00070 - Combustion  
Design Capacity: 1,982 million Btu per hour

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**Item 66.6(From Mod 0):**

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

Emission Unit: E-R0001

Process: RO1

Source Classification Code: 1-01-004-01

Process Description:

This process includes: one (1) opposed and one (1) face fired boiler (Nos. 60 and 70) rated at 1930 and 1982 MMBtu/hr, respectively. This process covers the combustion of residual oil in these boilers.

Emission Source/Control: 00060 - Combustion

Design Capacity: 1,930 million Btu per hour

Emission Source/Control: 00070 - Combustion

Design Capacity: 1,982 million Btu per hour

**Item 66.7(From Mod 0):**

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

Emission Unit: E-R0002

Process: NG2

Source Classification Code: 1-01-006-01

Process Description:

This process includes: ten (10) package boilers (Nos. 110 through 119) rated at 180 MMBtu/hr, each. This process covers the combustion of natural gas in these boilers

Emission Source/Control: 00111 - Combustion

Design Capacity: 180 million Btu per hour

Emission Source/Control: 00112 - Combustion

Design Capacity: 180 million Btu per hour

Emission Source/Control: 00113 - Combustion

Design Capacity: 180 million Btu per hour

Emission Source/Control: 00114 - Combustion

Design Capacity: 180 million Btu per hour

Emission Source/Control: 00115 - Combustion

Design Capacity: 180 million Btu per hour

Emission Source/Control: 00116 - Combustion

Design Capacity: 180 million Btu per hour

Emission Source/Control: 00117 - Combustion

Design Capacity: 180 million Btu per hour

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Emission Source/Control: 00118 - Combustion  
Design Capacity: 180 million Btu per hour

Emission Source/Control: 00119 - Combustion  
Design Capacity: 180 million Btu per hour

**Item 66.8(From Mod 0):**

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

Emission Unit: E-R0002

Process: RO2

Source Classification Code: 1-01-004-01

Process Description:

This process includes: ten (10) package boilers (Nos. 110 through 119) rated at 180 MMBtu/hr, each. This process covers the combustion of residual oil in these boilers

Emission Source/Control: 00110 - Combustion  
Design Capacity: 180 million Btu per hour

Emission Source/Control: 00111 - Combustion  
Design Capacity: 180 million Btu per hour

Emission Source/Control: 00112 - Combustion  
Design Capacity: 180 million Btu per hour

Emission Source/Control: 00113 - Combustion  
Design Capacity: 180 million Btu per hour

Emission Source/Control: 00114 - Combustion  
Design Capacity: 180 million Btu per hour

Emission Source/Control: 00115 - Combustion  
Design Capacity: 180 million Btu per hour

Emission Source/Control: 00116 - Combustion  
Design Capacity: 180 million Btu per hour

Emission Source/Control: 00117 - Combustion  
Design Capacity: 180 million Btu per hour

Emission Source/Control: 00118 - Combustion  
Design Capacity: 180 million Btu per hour

Emission Source/Control: 00119 - Combustion  
Design Capacity: 180 million Btu per hour



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**Item 66.9(From Mod 0):**

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

Emission Unit: E-R0011

Process: VEX

Source Classification Code: 2-01-001-06

Process Description:

There are two steam driven turbine generators at East River. Each steam turbine has a lube oil system, which is equipped with a vapor extractor to prevent a build up of hydrogen in the oil reservoir. The vapor extractors are insignificant sources of emissions.

Emission Source/Control: VE060 - Process

Emission Source/Control: VE070 - Process

**Condition 67: Permit requirements (facilities commencing operation on or after 01/00)**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 67.1:**

This Condition applies to Emission Unit: E-R0001

**Item 67.2:** The NO<sub>x</sub> authorized account representative of each NO<sub>x</sub> budget unit shall submit to the Department a complete NO<sub>x</sub> Budget permit application (as defined under Section 204-3.3) by May 1, 2002 or 12 months before the date on which the NO<sub>x</sub> Budget unit commences operation.

**Condition 68: Permits requirements.**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 68.1:**

This Condition applies to Emission Unit: E-R0001

**Item 68.2:** The NO<sub>x</sub> authorized account representative of each NO<sub>x</sub> budget unit shall submit to the Department a complete NO<sub>x</sub> Budget permit application (as defined under Section 204-3.3) by May 1, 2002.

**Condition 69: Submissions to the Department.**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 69.1:**



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This Condition applies to Emission Unit: E-R0001

**Item 69.2:** Each submission under the NOx Budget Trading Program shall be submitted, signed and certified by the NOx authorized account representative for each NOx Budget source on behalf of which the submission is made. Each submission shall include a certification statement (as stated in paragraph 204-2.1(e)(1)) by the NOx authorized account representative.

**Condition 70: Content of reports and compliance certifications.**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 70.1:**

This Condition applies to Emission Unit: E-R0001

**Item 70.2:** 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 applicable to the unit, including:
  - (i) Whether the unit was operated in compliance with the NOx Budget emissions limitation;
  - (ii) Whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute NOx emissions to the unit, in accordance with Subpart 204-8;
  - (iii) Whether all the NOx emissions from the unit, or a group of units (including the unit) using a common stack, were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 204-8. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions has been made;
  - (iv) Whether the facts that form the basis for certification under Subpart 204-8 of each monitor at the unit or a group of units (including the unit) using a common stack, or for using an excepted monitoring method or alternative monitoring method approved under Subpart 204-8, if any, has changed; and
  - (v) If a change is required to be reported under item (iv) above, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

**Condition 71: Discretionary report contents.**



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**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 71.1:**

This Condition applies to Emission Unit: E-R0001

**Item 71.2:** At the NOx authorized account representative's option the following may be included in the compliance certification report:

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

**Condition 72: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 72.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0001

**Item 72.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 73: Submission of NOx allowance transfers.**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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



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**Item 73.1:**

This Condition applies to Emission Unit: E-R0001

**Item 73.2:** The NOx authorized account representatives seeking recordation of a NOx allowance transfer shall submit the transfer to the Administrator. To be considered correctly submitted, the NOx allowance transfer shall include the following elements in a format specified by the Administrator:

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

**Condition 74: General provisions.**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 74.1:**

This Condition applies to Emission Unit: E-R0001

**Item 74.2:** 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 75: Prohibitions.**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 75.1:**

This Condition applies to Emission Unit: E-R0001

**Item 75.2:** No owner or operator of a NOx Budget unit or a non-NOx Budget unit monitored under 40 CFR 75.72(b)(2)(ii) shall:

- (1) use any alternative monitoring system, alternative reference method, or any other alternative for the required continuous emission monitoring system without having obtained prior written approval in accordance with Section 204-8.6;
- (2) operate the unit so as to discharge, or allow to be discharged, NOx emissions to the atmosphere without accounting for all such emissions in accordance with the applicable provisions of this Subpart and 40 CFR Part 75 except as provided for in 40 CFR 75.74;
- (3) disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NOx mass emissions



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discharged into the atmosphere, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this Subpart and 40 CFR Part 75 except as provided for in 40 CFR 75.74; and

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

- (i) The owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this Subpart and 40 CFR Part 75, by the Department for use at that unit that provides emission data for the same pollutant or parameter as the discontinued monitoring system; or
- (ii) The NO<sub>x</sub> 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 76: Requirements for installation, certification, and data accounting.**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 76.1:**

This Condition applies to Emission Unit: E-R0001

**Item 76.2:** The owner or operator of each NO<sub>x</sub> Budget unit must meet the following requirements. These provisions also apply to a unit for which an application for a NO<sub>x</sub> Budget opt-in permit is submitted and not denied or withdrawn, as provided in Subpart 204-9:

- (1) Install all monitoring systems required under this Subpart for monitoring NO<sub>x</sub> mass. This includes all systems required to monitor NO<sub>x</sub> emission rate, NO<sub>x</sub> concentration, heat input, and air or fuel flow, in accordance with 40 CFR 75.71 and 75.72.
- (2) Install all monitoring systems for monitoring heat input, if required under Section 204-8.7 for developing NO<sub>x</sub> allowance allocations.
- (3) Successfully complete all certification tests required under Section 204-8.2 and meet all other provisions of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraphs (a)(1) and (2) of this section.
- (4) Record and report data from the monitoring systems under paragraphs (a)(1) and (2) of this section.

**Condition 77: Requirements for recertification of monitoring systems.**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 77.1:**

This Condition applies to Emission Unit: E-R0001

**Item 77.2:** 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



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the system to accurately measure or record NO<sub>x</sub> 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 78: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 78.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0001

**Item 78.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a NO<sub>x</sub> Budget unit under paragraphs (b)(2) or (b)(3) of this section must determine, record and report NO<sub>x</sub> mass, heat input (if required for purposes of allocations) and any other values required to determine NO<sub>x</sub> Mass (e.g. NO<sub>x</sub> emission rate and heat input or NO<sub>x</sub> concentration and stack flow) using the provisions of 40 CFR 75.70(g), from the date and hour that the unit starts operating until all required certification tests are successfully completed.

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 79: Out of control periods.**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 79.1:**

This Condition applies to Emission Unit: E-R0001

**Item 79.2:** Whenever any monitoring system fails to meet the quality assurance requirements of



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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 80: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 80.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0001

**Item 80.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a unit that elects to monitor and report NO<sub>x</sub> Mass emissions using a NO<sub>x</sub> concentration system and a flow system shall also monitor and report heat input at the unit level using the procedures set forth in 40 CFR Part 75.

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 81: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 81.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0001

**Item 81.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Daily fuel usage is measured. Average electrical output & hourly generation rate are measured. Heat content, sulfur content and ash content are determined for each shipment of residual oil. These factors are used to determine the emissions of sulfur. Quarterly reports of



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exceedances are filed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 82: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 82.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0001

**Item 82.2:**

Compliance Certification 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

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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 which the COMS are required to record data.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: 40 CFR 60 APP B RM 9  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2002.  
Subsequent reports are due every 3 calendar month(s).

**Condition 83: Compliance Plan**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 83.1:**

Compliance will be achieved according to the following schedule for the emission units, processes, sources or emission points specified in this permit:

Emission Unit: E-R0001

Consent Order: D2-0003-97

Progress Report Begin Date: 11/15/1997

**Item 83.2:**

Remedial Measure:

Schedule Date: 06/09/1997

See attached Compliance Plan 1011151997



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**Condition 84: Authorized Account Representatives (AARs)**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 84.1:**

This Condition applies to Emission Unit: E-R0001

**Item 84.2:** Each budget source must designate an AAR, and may designate an alternate AAR, for each compliance account and compliance overdraft account.

**Condition 90: Facility Subject to Title IV Acid Rain Regulations and Permitting**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 40CFR 72**

**Item 90.1:**

This Condition applies to Emission Unit: E-R0001

**Item 90.2:**

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 91: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 91.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0001

Process: RO1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 91.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Maximum tested emission rate for particulate matter is 0.10 lb/MMBtu. Boilers are maintained and operated to maintain low emissions of particulate matter.



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Parameter Monitored: PARTICULATES  
Upper Permit Limit: 0.10 pounds per million Btus  
Reference Test Method: Method 17  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 92: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 92.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

**Item 92.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

Daily fuel usage is measured. Average electrical output & hourly generation rate are measured. Heat content, sulfur content and ash content are determined for each shipment of residual oil. These factors are used to determine the emissions of sulfur. Quarterly reports of exceedances are filed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 93: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 93.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

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**Item 93.2:**

Compliance Certification 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 which the COMS are required to record data.

Parameter Monitored: OPACITY



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Upper Permit Limit: 20 percent  
Reference Test Method: 40 CFR 60 APP B RM 9  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2002.  
Subsequent reports are due every 3 calendar month(s).

**Condition 94: Compliance Plan**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 94.1:**

Compliance will be achieved according to the following schedule for the emission units, processes, sources or emission points specified in this permit:

Emission Unit: E-R0002

Consent Order: D2-0003-97  
Progress Report Begin Date: 11/15/1997

**Item 94.2:**

Remedial Measure:

Schedule Date: 06/09/1997  
See attached Compliance Plan 1011151997

**Condition 95: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 225-1.2(a)(1)**

**Item 95.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002  
Process: FO1

Regulated Contaminant(s):  
CAS No: 007704-34-9 SULFUR

**Item 95.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:



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Low sulfur (0.045% maximum by weight) distillate oil will be fired in the combustion turbine. Distillate oil will only be used during an emergency (as defined in 6 NYCRR 201-2.1(b)(12)) and up to 16 hours per year for test firing.

Monitoring Frequency: PER DELIVERY  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 12 calendar month(s).

**Condition 96: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 96.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002  
Process: FO1

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

**Item 96.2:**

Compliance Certification shall include the following monitoring:

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

Smoke emissions shall be limited to 20% opacity (six minute average) except for one-6 minute period per hour of not more than 27% opacity. Compliance shall be demonstrated with an opacity monitor.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)  
Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: Method 9  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2002.



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

**Condition 2-18: Compliance Certification**

**Effective between the dates of 11/21/2005 and 03/20/2007**

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

**Replaces Condition(s) 101**

**Item 2-18.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

CAS No: 0NY035-16-0 SULFUR (S 035)

**Item 2-18.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Low sulfur (0.045% maximum) distillate oil may be fired during emergencies and up to 16 hours per year for test firing of the turbine.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Upper Permit Limit: 16 hours

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 97: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 97.1:**

The Compliance Certification activity will be performed for:



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 97.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO <= 4 ppm (by volume < dry @ 15% O<sub>2</sub>) during distillate oil firing in the combustion turbine (duct burner off).

This emission limit applies to all loads. The CO emission rate will be monitored with a CEMS.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 19.66 pounds per hour

Reference Test Method: Method 10A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 98: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 98.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 98.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

VOC  $\leq$  2 ppm (by volume, dry, @ 15% O<sub>2</sub>) during distillate oil firing in the combustion turbine (duct burner off).

This emission limit applies to all loads. Fuel usage records and engineering calculations will be used to determine the emissions of VOC. VOCs are defined as total organic gases not including methane or ethane. The limit below is expressed as methane.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Parameter Monitored: VOC

Upper Permit Limit: 5.63 pounds per hour

Reference Test Method: Methods 18 and 25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 99: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 99.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 99.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The Particulate Matter/PM-10 emission limit will be 67.01 lb/hour during distillate oil firing in the combustion turbine (duct burner off). This emission limit applies to all loads. Fuel usage records and engineering calculations will be used to determine the emissions of particulates during distillate oil firing.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Work Practice Type: PROCESS MATERIAL THRUPUT  
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Upper Permit Limit: 67.01 pounds per hour  
Reference Test Method: RM 201/201a and 202  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2002.  
Subsequent reports are due every 3 calendar month(s).

**Condition 100: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 100.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002  
Process: FO1

Regulated Contaminant(s):  
CAS No: 007440-41-7 BERYLLIUM

**Item 100.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Low sulfur (0.045% maximum) distillate oil may be fired during emergencies and up to 16 hours per year for test firing. Fuel usage records and AP-42 factors will be used to monitor beryllium emissions.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Parameter Monitored: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Upper Permit Limit: 16 hours  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: ANNUAL TOTAL  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

The initial report is due 4/30/2002.

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

**Condition 102: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 102.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

**Item 102.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia  $\leq$  5 ppm (by volume, dry, @ 15%  $O_2$ ) during distillate oil firing in the combustion turbine (duct burner off). This emission limit applies to all loads.

Ammonia emissions will be controlled through proper operation of the SCR.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)

Parameter Monitored: AMMONIA

Upper Permit Limit: 15 pounds per hour

Reference Test Method: Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 103: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 103.1:**

The Compliance Certification activity will be performed for:



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

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

**Item 103.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx <= 9 ppm (by volume, dry, @ 15% O<sub>2</sub>) during distillate oil firing in the combustion turbine (duct burner off).

This emission limit applies to all loads. NOx emission rate will be monitored with a CEMs.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 72.61 pounds per hour

Reference Test Method: Method 7

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 2-19: Compliance Certification**

**Effective between the dates of 11/21/2005 and 03/20/2007**

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

**Item 2-19.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

CAS No: 0NY035-16-0 SULFUR (S 035)

**Item 2-19.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitor sulfur and nitrogen content of fuels as per



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

current requirements of 40 CFR 60.334(b)(2), NSPS Subpart GG

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 2-20: Compliance Certification**

**Effective between the dates of 11/21/2005 and 03/20/2007**

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

**Item 2-20.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

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

**Item 2-20.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitor sulfur and nitrogen content of fuels as per current requirements of 40 CFR 60.334(b)(2), NSPS Subpart GG

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 106: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 40CFR 75.11(d), Subpart B**

**Item 106.1:**

The Compliance Certification activity will be performed for:



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 106.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitor SO<sub>2</sub> emissions as outlined in 40 CFR 75, Appendix D, rather than using a CEM.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 2-21: Compliance Certification**

**Effective between the dates of 11/21/2005 and 03/20/2007**

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

**Replaces Condition(s) 114, 117**

**Item 2-21.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

CAS No: 0NY075-00-0      PARTICULATES

**Item 2-21.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The Particulate matter/ PM-10 emissions limit will be 21.0 pounds per hour during natural gas firing in the combustion turbine and heat recovery steam generator (with or without duct burners). This emission limit applies to all loads. Natural gas will be the primary fuel.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Parameter Monitored: PARTICULATES  
Upper Permit Limit: 21.0 pounds per hour  
Reference Test Method: RM 201/201a and 202  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 107: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 107.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002  
Process: NG4

Regulated Contaminant(s):  
CAS No: 007664-41-7 AMMONIA

**Item 107.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia  $\leq$  5 ppm (by volume, dry, @ 15% O<sub>2</sub>) during natural gas firing in the combustion turbine (duct burner OFF). This emission limit applies to all loads. Ammonia emissions will be controlled through proper operation of the SCR.

Manufacturer Name/Model Number: Continuous Emissions Monitor

Parameter Monitored: AMMONIA

Upper Permit Limit: 14 pounds per hour

Reference Test Method: Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 108: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**



**Item 108.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

**Item 108.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia  $\leq$  5 ppm (by volume, dry, @ 15% O<sub>2</sub>) during natural gas firing in the combustion turbine and heat recovery steam generator (duct burner on). This emission limit applies to all loads. Ammonia emissions will be controlled through proper operation of the SCR.

Manufacturer Name/Model Number: Continuous Emissions Monitor

Parameter Monitored: AMMONIA

Upper Permit Limit: 21 pounds per hour

Reference Test Method: Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 109: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 109.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 109.2:**

**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**



Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO  $\leq$  2 ppm (by volume, dry, @ 15% O<sub>2</sub>) during natural gas firing in the combustion turbine (duct burner OFF) This emission limit applies to all loads. The CO emission rate will be monitored with a CEMS.

Manufacturer Name/Model Number: Continuous Emission Monitor

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 8.91 pounds per hour

Reference Test Method: Method 10A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 110: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 110.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 110.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO  $\leq$  4 ppm (by volume, dry, @ 15% O<sub>2</sub>) during natural gas firing in the combustion turbine and heat recovery steam generator (duct burner on). This emission limit applies to all loads. The CO emission rate will be monitored with a CEMS.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)

Parameter Monitored: CARBON MONOXIDE



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Upper Permit Limit: 27.46 pounds per hour  
Reference Test Method: Method 10A  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2002.  
Subsequent reports are due every 3 calendar month(s).

**Condition 111: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 111.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002  
Process: NG4

Regulated Contaminant(s):  
CAS No: 007440-41-7 BERYLLIUM

**Item 111.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

Natural gas will be the primary fuel. Fuel use records  
and engineering calculations will be used to monitor  
beryllium emissions (up to 0.0002 tons per year)

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NATURAL GAS

Parameter Monitored: BERYLLIUM

Upper Permit Limit: 0.0002 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 112: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

**Item 112.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 112.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC  $\leq$  5 ppm (by volume, dry, @ 15% O<sub>2</sub>) during natural gas firing in the combustion turbine and heat recovery steam generator (duct burner on). This emission limit applies to all loads. VOCs are defined as total organic gases not including methane or ethane. The limit below is expressed as methane.

Parameter Monitored: VOC

Upper Permit Limit: 19.66 pounds per hour

Reference Test Method: Methods 18 and 25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 113: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 113.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 113.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

**Monitoring Description:**

VOC  $\leq$  1.4 ppm (by volume, dry, @ 15% O<sub>2</sub>) during natural gas firing in the combustion turbine (duct burner off). This emission limit applies to all loads. VOCs are defined as total organic gases not including methane or ethane. The limit below is expressed as methane.

Parameter Monitored: VOC

Upper Permit Limit: 3.57 pounds per hour

Reference Test Method: Methods 18 and 25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 118: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 118.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

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

**Item 118.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NO<sub>x</sub>  $\leq$  3 ppm (by volume, dry, @ 15% oxygen) during natural gas firing in the combustion turbine and heat recovery steam generator (duct burner ON). This emission limit applies to all loads. NO<sub>x</sub> emission rate will be monitored with a CEMS.

Manufacturer Name/Model Number: NO<sub>x</sub> CEM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 33.83 pounds per hour

Reference Test Method: Method 7e

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Reports due 30 days after the reporting period.  
The initial report is due 4/30/2002.  
Subsequent reports are due every 3 calendar month(s).

**Condition 119: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 119.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002  
Process: NG4

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

**Item 119.2:**

Compliance Certification shall include the following monitoring:

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

NOx <= 2 ppm (by volume, dry, @ 15% oxygen) during  
natural gas firing in the combustion turbine (duct burner  
OFF). This emission limit applies to all loads. NOx  
emission rate will be monitored with a CEMS.

Manufacturer Name/Model Number: NOx CEM  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 14.63 pounds per hour  
Reference Test Method: Method 7e  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 3-HOUR ROLLING AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2002.  
Subsequent reports are due every 3 calendar month(s).

**Condition 2-22: Compliance Certification**  
**Effective between the dates of 11/21/2005 and 03/20/2007**

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

**Item 2-22.1:**

The Compliance Certification activity will be performed for:



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

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

**Item 2-22.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitor sulfur and nitrogen content of fuels as per  
current requirements of 40 CFR 60.334(b)(2), NSPS Subpart  
GG

Monitoring Frequency: ANNUALLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 2-23: Compliance Certification**

**Effective between the dates of 11/21/2005 and 03/20/2007**

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

**Item 2-23.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

CAS No: 0NY035-16-0 SULFUR (S 035)

**Item 2-23.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitor sulfur and nitrogen content of fuels as per  
current requirements of 40 CFR 60.334(b)(2), NSPS Subpart  
GG

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 122: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 40CFR 75.11(d), Subpart B**

**Item 122.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002  
Process: NG4

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

**Item 122.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:  
Monitor SO2 emissions as outlined in 40 CFR 75, Appendix  
D, rather than using a CEM.

Monitoring Frequency: CONTINUOUS  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2002.  
Subsequent reports are due every 3 calendar month(s).

**Condition 123: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 123.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002  
Process: NG4      Emission Source: HRS G1

**Item 123.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

**Monitoring Description:**

RECORD AND MAINTAIN RECORDS OF DAILY FUEL USAGE AND ANNUAL CAPACITY FACTOR IN THE DUCT BURNERS IS DETERMINED. THE ANNUAL CAPACITY FACTOR IS DETERMINED ON A 12-MONTH ROLLING AVERAGE BASIS WITH A NEW ANNUAL CAPACITY FACTOR CALCULATED AT THE END OF EACH CALENDAR MONTH.

**Monitoring Frequency:** AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

**Reporting Requirements:** UPON REQUEST BY REGULATORY AGENCY

**Condition 124: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 124.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: RO2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 124.2:**

Compliance Certification shall include the following monitoring:

**Monitoring Type:** INTERMITTENT EMISSION TESTING

**Monitoring Description:**

Maximum tested emission rate for particulate matter is 0.10 lb/MMBtu. Boilers are maintained and operated to maintain low emissions of particulate matter. Use the average of 3 runs that meet the requirements of Method 17.

**Parameter Monitored:** PARTICULATES

**Upper Permit Limit:** 0.10 pounds per million Btus

**Reference Test Method:** Method 17

**Monitoring Frequency:** ONCE DURING THE TERM OF THE PERMIT

**Averaging Method:** ARITHMETIC MEAN

**Reporting Requirements:** SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**New York State Department of Environmental Conservation**

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



**Condition 125: Compliance Plan**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 125.1:**

Compliance will be achieved according to the following schedule for the emission units, processes, sources or emission points specified in this permit:

Emission Unit: E-R0003

Consent Order: D20003976

Progress Report Begin Date: 11/15/1997

**Item 125.2:**

Remedial Measure:

Schedule Date: 11/15/1997

The new units are designed to operate in compliance with all applicable requirements, including 6NYCRR 227-1.3 (Opacity). Con Ed intends to amend consent order D20003-97 to reflect change in existing East River Facility with the addition of the new units

**Condition 126: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 225-1.2(a)(1)**

**Item 126.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3

Regulated Contaminant(s):

CAS No: 007704-34-9 SULFUR

**Item 126.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Low sulfur (0.045% maximum by weight) distillate oil will be fired in the combustion turbine. Distillate oil will only be used during an emergency (as defined in 6 NYCRR 201-2.1(b)(12)) and up to 16 hours per year for test

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**Facility DEC ID: 2620600012**



firing.

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 127: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 127.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 127.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

SMOKE EMISSIONS SHALL BE LIMITED TO 20%  
OPACITY (SIX MINUTE AVERAGE) EXCEPT FOR  
ONE-6 MINUTE PERIOD PER HOUR OF NOT MORE  
THAN 27% OPACITY. COMPLIANCE SHALL BE  
DEMONSTRATED WITH AN OPACITY MONITOR.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 2-24: Compliance Certification**



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

**Effective between the dates of 11/21/2005 and 03/20/2007**

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

**Replaces Condition(s) 132**

**Item 2-24.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3

Regulated Contaminant(s):

CAS No: 0NY035-16-0 SULFUR (S 035)

**Item 2-24.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Low sulfur (0.045% maximum) distillate oil may be fired during emergencies and up to 16 hours per year for test firing of the turbine.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Upper Permit Limit: 16 hours

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 128: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 128.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3



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**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

**Item 128.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia  $\leq$  5 ppm (by volume, dry, @ 15% o<sub>2</sub>) during distillate oil firing in the combustion turbine (duct burner off). This emission limit applies to all loads. Ammonia emissions will be controlled through proper operation of the SCR. Emissions will be estimated based on distillate oil usage and engineering calculations.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)

Parameter Monitored: AMMONIA

Upper Permit Limit: 15 pounds per hour

Reference Test Method: Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 129: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 129.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 129.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

VOC  $\leq$  2 ppm (by volume, dry, @ 15% o<sub>2</sub>) during distillate



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oil firing in the combustion turbine (duct burner off).  
This emission limit applies to all loads. Fuel usage records and engineering calculations will be used to determine the emissions of VOC. VOCs are defined as total organic gases not including methane or ethane. The limit below is expressed as methane.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Parameter Monitored: VOC  
Upper Permit Limit: 5.63 pounds per hour  
Reference Test Method: Methods 18 and 25A  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2002.  
Subsequent reports are due every 3 calendar month(s).

**Condition 130: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 130.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003  
Process: FO3

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

**Item 130.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Particulate Matter/PM-10 emission limit (67 lb/hour) during distillate oil firing in the combustion turbine (duct burner off).. this emission limit applies to all loads. Fuel usage records and engineering calculations will be used to determine the emissions of particulates during distillate oil firing.



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Work Practice Type: PROCESS MATERIAL THRUPUT  
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Upper Permit Limit: 67.01 pounds per hour  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2002.  
Subsequent reports are due every 3 calendar month(s).

**Condition 131: Compliance Certification**  
**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 131.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003  
Process: FO3

Regulated Contaminant(s):  
CAS No: 007440-41-7 BERYLLIUM

**Item 131.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Low sulfur (0.045% maximum) distillate oil may be fired during emergencies and up to 16 hours per year for test firing. Fuel usage records and AP-42 factors will be used to monitor beryllium emissions.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Parameter Monitored: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Upper Permit Limit: 16 hours  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: ANNUAL TOTAL  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2002.  
Subsequent reports are due every 3 calendar month(s).



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**Facility DEC ID: 2620600012**

**Condition 133: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 133.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 133.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO  $\leq$  4 ppm (by volume < dry @ 15% O<sub>2</sub>) during distillate oil firing in the combustion turbine (duct burner off).

This emission limit applies to all loads. The CO emission rate will be monitored with a CEMS.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 19.66 pounds per hour

Reference Test Method: Method 10A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 134: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 134.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3



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**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Regulated Contaminant(s):

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

**Item 134.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx <= 9 ppm (by volume, dry, @ 15% o2) during distillate oil firing in the combustion turbine (duct burner off).

This emission limit applies to all loads. NOx emission rate will be monitored with a CEMS.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 72.61 pounds per hour

Reference Test Method: Method 7

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 2-25: Compliance Certification**

**Effective between the dates of 11/21/2005 and 03/20/2007**

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

**Item 2-25.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3

Regulated Contaminant(s):

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

**Item 2-25.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitor sulfur and nitrogen content of fuels as per current requirements of 40 CFR 60.334(b)(2), NSPS Subpart GG



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 2-26: Compliance Certification**

**Effective between the dates of 11/21/2005 and 03/20/2007**

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

**Item 2-26.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3

Regulated Contaminant(s):

CAS No: 0NY035-16-0 SULFUR (S 035)

**Item 2-26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitor sulfur and nitrogen content of fuels as per  
current requirements of 40 CFR 60.334(b)(2), NSPS Subpart  
GG

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 137: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 40CFR 75.11(d), Subpart B**

**Item 137.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3



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**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 137.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitor SO<sub>2</sub> emissions as outlined in 40 CFR 75, Appendix D, rather than using a CEM.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 2-27: Compliance Certification**

**Effective between the dates of 11/21/2005 and 03/20/2007**

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

**Replaces Condition(s) 138, 139**

**Item 2-27.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

CAS No: 0NY075-00-0      PARTICULATES

**Item 2-27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The Particulate matter/ PM-10 emissions limit will be 21.0 pounds per hour during natural gas firing in the combustion turbine and heat recovery steam generator (with or without duct burners). This emission limit applies to all loads. Natural gas will be the primary fuel.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 21 pounds per hour

Reference Test Method: RM 201/021a and 202



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 142: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 142.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

**Item 142.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia  $\leq$  5 ppm (by volume, dry, @ 15% O<sub>2</sub>) during natural gas firing in the combustion turbine (duct burner off). This emission limit applies to all loads. Ammonia emissions will be controlled through proper operation of the SCR.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)

Parameter Monitored: AMMONIA

Upper Permit Limit: 14 pounds per hour

Reference Test Method: Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 143: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 143.1:**

The Compliance Certification activity will be performed for:



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

**Item 143.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia  $\leq$  5 ppm (by volume, dry, @ 15% O<sub>2</sub>) during natural gas firing in the combustion turbine and heat recovery steam generator (duct burner on). This emission limit applies to all loads. Ammonia emissions will be controlled through proper operation of the SCR.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)

Parameter Monitored: AMMONIA

Upper Permit Limit: 21 pounds per hour

Reference Test Method: Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 144: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 144.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 144.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)



**New York State Department of Environmental Conservation**

**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

**Monitoring Description:**

CO  $\leq$  4 ppm (by volume, dry, @ 15% O<sub>2</sub>) during natural gas firing in the combustion turbine and heat recovery steam generator (duct burner on). This emission limit applies to all loads. The CO emission rate will be monitored with a CEMS.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 27.46 pounds per hour

Reference Test Method: Method 10A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 145: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 145.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 145.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO  $\leq$  2 ppm (by volume, dry, @ 15% O<sub>2</sub>) during natural gas firing in the combustion turbine (duct burner off). This emission limit applies to all loads. The CO emission rate will be monitored with a CEMS.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 8.91 pounds per hour

Reference Test Method: Method 10A

Monitoring Frequency: CONTINUOUS



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**Permit ID: 2-6206-00012/00016**

**Facility DEC ID: 2620600012**

Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2002.  
Subsequent reports are due every 3 calendar month(s).

**Condition 146: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 146.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003  
Process: NG3

Regulated Contaminant(s):  
CAS No: 007440-41-7 BERYLLIUM

**Item 146.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

Natural gas will be the primary fuel. Fuel use records  
and engineering calculations will be used to monitor  
beryllium emissions (up to 0.0002 tons per year)

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NATURAL GAS

Parameter Monitored: BERYLLIUM

Upper Permit Limit: 0.0002 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 147: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 147.1:**

The Compliance Certification activity will be performed for:



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**Facility DEC ID: 2620600012**

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 147.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC  $\leq$  5 ppm (by volume, dry, @ 15% O<sub>2</sub>) during natural gas firing in the combustion turbine and heat recovery steam generator (duct burner on). This emission limit applies to all loads. VOCs are defined as total organic gases not including methane or ethane. The limit below is expressed as methane.

Parameter Monitored: VOC

Upper Permit Limit: 19.66 pounds per hour

Reference Test Method: Methods 18 and 25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 148: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 148.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 148.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC  $\leq$  1.4 ppm (by volume, dry, @ 15% O<sub>2</sub>) during natural gas firing in the combustion turbine (duct burner off).



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This emission limit applies to all loads. VOCs are defined as total organic gases not including methane or ethane. The limit below is expressed as methane.

Parameter Monitored: VOC

Upper Permit Limit: 3.57 pounds per hour

Reference Test Method: Methods 18 and 25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 149: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 149.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

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

**Item 149.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx <= 3 ppm (by volume, dry, @ 15% O2) during natural gas firing in the combustion turbine and heat recovery steam generator (duct burner on). This emission limit applies to all loads. NOx emission rate will be monitored with a CEMS.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 33.83 pounds per hour

Reference Test Method: Method 7

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

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**Condition 150: Compliance Certification**

Effective between the dates of 03/21/2002 and 03/20/2007

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

**Item 150.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

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

**Item 150.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NO<sub>x</sub> ≤ 2 ppm (by volume, dry, @ 15% O<sub>2</sub>) during natural gas firing in the combustion turbine (duct burner off).

This emission limit applies to all loads. NO<sub>x</sub> emission rate will be monitored with a CEMS.

Manufacturer Name/Model Number: CONTINUOUS EMISSION MONITORING (CEM)

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 14.63 pounds per hour

Reference Test Method: Method 7

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 2-28: Compliance Certification**

Effective between the dates of 11/21/2005 and 03/20/2007

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

**Item 2-28.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3



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Regulated Contaminant(s):

CAS No: 0NY035-16-0 SULFUR (S 035)

**Item 2-28.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitor sulfur and nitrogen content of fuels as per  
current requirements of 40 CFR 60.334(b)(2), NSPS Subpart  
GG

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 2-29: Compliance Certification**

**Effective between the dates of 11/21/2005 and 03/20/2007**

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

**Item 2-29.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

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

**Item 2-29.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitor sulfur and nitrogen content of fuels as per  
current requirements of 40 CFR 60.334(b)(2), NSPS Subpart  
GG

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.



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

**Condition 153: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 40CFR 75.11(d), Subpart B**

**Item 153.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 153.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitor SO<sub>2</sub> emissions as outlined in 40 CFR 75, Appendix D, rather than using a CEM.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 154: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 154.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Emission Source: HRSG2

**Item 154.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Record and maintain records of daily fuel usage and



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annual capacity factor in the duct burners is determined.  
The annual capacity factor is determined on a 12-month  
rolling average basis with a new annual capacity factor  
calculated at the end of each calendar month.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 155: Compliance Certification**

**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable Federal Requirement: 6NYCRR 212.6**

**Item 155.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-R0011

**Item 155.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The vapor extractors operated and maintained to minimize  
the opacity of exhaust gases.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**

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

**Condition 1-11: Contaminant List**

**Effective between the dates of 12/16/2003 and 03/20/2007**

**Applicable State Requirement: ECL 19-0301**

**Item 1-11.1:**

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

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

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 007440-41-7

Name: BERYLLIUM

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: 007704-34-9

Name: SULFUR

CAS No: 0NY035-16-0

Name: SULFUR (S 035)

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

**Condition 156: Unavoidable noncompliance and violations**

**Effective between the dates of 03/21/2002 and 03/20/2007**

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

**Item 156.1:**

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

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



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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 160: Air pollution prohibited**

**Effective between the dates of 03/21/2002 and 03/20/2007**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 160.1:**

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



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

**Condition 2-30: Compliance Demonstration**  
Effective between the dates of 11/21/2005 and 03/20/2007

**Applicable State Requirement: 6NYCRR 201-5**

**Replaces Condition(s) 161, 162**

**Item 2-30.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-R0002

**Item 2-30.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

During any period, each HRSG's duct burners shall be allowed to burn fuel at the maximum rated capacity, 26,664 million BTU per day on a block 24 hour basis (Midnight to midnight).

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL

Upper Permit Limit: 26,664 million BTU per day

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR MAXIMUM

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 163: Compliance Demonstration**  
Effective between the dates of 03/21/2002 and 03/20/2007

**Applicable State Requirement: 6NYCRR 227-1.2(a)(2)**

**Item 163.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-R0002

Process: RO2



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Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 163.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Maximum tested emission rate for particulate matter is 0.10 lb/MMBtu. Boilers are maintained and operated to maintain low emissions of particulate matter.

Manufacturer Name/Model Number: Particulate CEM

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 17

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-31: Compliance Demonstration**

**Effective between the dates of 11/21/2005 and 03/20/2007**

**Applicable State Requirement: 6NYCRR 201-5**

**Replaces Condition(s) 164, 165**

**Item 2-31.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-R0003

**Item 2-31.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

During any period, each HRSG's duct burners shall be allowed to burn fuel at the maximum rated capacity, 26,664 million BTU per day on a block 24 hour basis (Midnight to midnight).

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL

Upper Permit Limit: 26,664 million BTU per day

Monitoring Frequency: CONTINUOUS



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Averaging Method: 24 HOUR MAXIMUM  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 3 calendar month(s).