



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6206-00012/00016
Effective Date: 05/12/2009 Expiration Date: 05/11/2014

Permit Type: Title IV (Phase II Acid Rain)
Permit ID: 2-6206-00012/00023
Effective Date: 05/12/2009 Expiration Date: 05/11/2014

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

Contact: FEMI OGUNSOLA
CONSOLIDATED EDISON CO OF NY INC
4 IRVING PL - 15FL NE
NEW YORK, NY 10003-3502
(212) 460-1223

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

Contact: FEMI OGUNSOLA
CONSOLIDATED EDISON CO OF NY INC
4 IRVING PL - 15FL NE
NEW YORK, NY 10003-3502
(212) 460-1223

Description:
Con Edison East River Generating Station generates electricity and steam. It operates one (1) 1930 MMBtu/hr boiler, one (1) 1982 MMBtu/hr boiler, ten (10) 180 MMBtu/hr boilers(192MMBtu/hr when natural gas fired) and two (2) truncated combined cycle combustion turbine units(2054 MMBtu/hr)with heat recovery steam generators(1332MMBtu/hr).

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



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
 NYSDEC
 47-40 21ST ST
 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 compliance 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 any 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, modifications and transfers
- Permit modifications, suspensions or revocations by the Department

Facility Level

- Submission of application 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 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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



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

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

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 application for permit modification or renewal - REGION 2 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

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

NYSDEC Regional Permit Administrator
Region 2 Headquarters
Division of Environmental Permits
1 Hunters Point Plaza, 4740 21st Street
Long Island City, NY 11101-5407
(718) 482-4997

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: CONSOLIDATED EDISON COMPANY OF NEW YORK INC
4 IRVING PL
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

Permit Effective Date: 05/12/2009

Permit Expiration Date: 05/11/2014



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.5 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR Part 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 6 NYCRR 211.3: Visible Emissions Limited
- 21 40 CFR Part 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6 NYCRR Subpart 201-6: Emission Unit Definition
- 24 6 NYCRR Subpart 201-6: Compliance Certification
- 25 6 NYCRR Subpart 201-6: Compliance Certification
- 26 6 NYCRR Subpart 201-6: Compliance Certification
- 27 6 NYCRR Subpart 201-6: Compliance Certification
- 28 6 NYCRR Subpart 201-6: Compliance Certification
- 29 6 NYCRR 201-6.5 (g): Non Applicable requirements
- 30 6 NYCRR 202-1.2: Notification
- 31 6 NYCRR 204-2.1 (e): Submissions to the Department
- 32 6 NYCRR 204-4.1: Compliance Certification
- 33 6 NYCRR 204-7.1: Submission of NOx allowance transfers.
- 34 6 NYCRR 204-8.1: Requirements for installation, certification, and data accounting.
- 35 6 NYCRR 204-8.2: Compliance Certification
- 36 6 NYCRR 204-8.2 (b) (2): Requirements for recertification of monitoring systems
- 37 6 NYCRR 204-8.3: Out of control periods.
- 38 6 NYCRR 204-8.7: Compliance Certification
- 39 6 NYCRR 207.3 (d): Compliance Certification
- 40 6 NYCRR 225-1.2 (a) (2): Compliance Certification



- 41 6 NYCRR 225-1.4: Temporary variances.
- 42 6 NYCRR 225-1.8: Compliance Certification
- 43 6 NYCRR 225-1.8 (d): Sampling, compositing, and analysis of fuel samples
- 44 6 NYCRR 227-1.3: Compliance Certification
- 45 6 NYCRR 227-2.5 (b): Compliance Certification
- 46 6 NYCRR 227-2.6 (b): Compliance Certification
- 47 6 NYCRR 231-2.4: Emission offset requirements
- 48 6 NYCRR 231-2.4: Emission offset requirements
- 49 6 NYCRR 231-2.4: Emission offset requirements - VOC
- 50 6 NYCRR 231-2.4: Compliance Certification
- 51 6 NYCRR 231-2.4: Compliance Certification
- 52 6 NYCRR 231-2.4: Compliance Certification
- 53 6 NYCRR 243-1.6 (a): Permit Requirements
- 54 6 NYCRR 243-1.6 (d): Excess emission requirements
- 55 6 NYCRR 243-2.1: Authorization and responsibilities of CAIR
designated representative
- 56 6 NYCRR 243-8.1: General requirements
- 57 6 NYCRR 243-8.1: Prohibitions
- 58 6 NYCRR 243-8.3: Out of control periods
- 59 6 NYCRR 243-8.5 (d): Quarterly reports
- 60 6 NYCRR Subpart 244-1: CAIR General and Permit Requirements
- 61 6 NYCRR Subpart 244-2: Designated CAIR Representative
- 62 6 NYCRR Subpart 244-8: Compliance Certification
- 63 6 NYCRR Subpart 245-1: CAIR General and Permit Requirements
- 64 6 NYCRR Subpart 245-2: Designated CAIR Representative
- 65 6 NYCRR Subpart 245-8: Monitoring and Reporting SO2 Emissions
- 66 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 67 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification -
if a COM is used
- 68 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 69 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 70 40CFR 60.8(a), NSPS Subpart A: Performance Testing Timeline
- 71 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 72 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 73 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 74 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 75 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 76 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 77 40CFR 60.12, NSPS Subpart A: Circumvention.
- 78 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 79 40CFR 60.14, NSPS Subpart A: Modifications.
- 80 40CFR 60.15, NSPS Subpart A: Reconstruction
- 81 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations
and Permitting
- Emission Unit Level**
- 82 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 83 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- EU=E-R0001**
- 84 6 NYCRR Subpart 201-6: Compliance Certification
- 85 6 NYCRR 225-1.7: Compliance Certification
- 86 6 NYCRR 227-1.3: Compliance Certification



87 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations
and Permitting

EU=E-R0001,Proc=RO1

88 6 NYCRR 227-1.2 (a) (1): Compliance Certification

EU=E-R0002

89 6 NYCRR Subpart 201-6: Compliance Certification

90 6 NYCRR Subpart 201-6: Compliance Certification

91 6 NYCRR Subpart 201-6: Compliance Certification

92 6 NYCRR Subpart 201-6: Compliance Certification

93 6 NYCRR Subpart 201-6: Compliance Certification

94 6 NYCRR 225-1.7: Compliance Certification

95 6 NYCRR 227-1.3: Compliance Certification

EU=E-R0002,Proc=FO1

96 6 NYCRR 225-1.2 (a) (1): Compliance Certification

97 6 NYCRR 227-1.3 (a): Compliance Certification

98 6 NYCRR 231-2.4: Compliance Certification

99 6 NYCRR 231-2.4: Compliance Certification

100 6 NYCRR 231-2.4: Compliance Certification

101 6 NYCRR 231-2.4: Compliance Certification

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

103 40CFR 52.21(j), Subpart A: Compliance Certification

104 40CFR 52.21(j), Subpart A: Compliance Certification

105 40CFR 52.21(j), Subpart A: Compliance Certification

106 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 60.334(h), NSPS Subpart GG: Compliance Certification

110 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification

111 40CFR 75.11(d), Subpart B: Compliance Certification

EU=E-R0002,Proc=NG2

112 6 NYCRR 231-2.7: Compliance Certification

EU=E-R0002,Proc=NG4

113 6 NYCRR 231-2.4: Compliance Certification

114 6 NYCRR 231-2.4: Compliance Certification

115 6 NYCRR 231-2.4: Compliance Certification

116 6 NYCRR 231-2.4: Compliance Certification

117 6 NYCRR 231-2.4: Compliance Certification

118 6 NYCRR 231-2.4: Compliance Certification

119 6 NYCRR 231-2.4: Compliance Certification

120 6 NYCRR 231-2.4: Compliance Certification

121 40CFR 52.21(j), Subpart A: Compliance Certification

122 40CFR 52.21(j), Subpart A: Compliance Certification

123 40CFR 52.21(j), Subpart A: Compliance Certification

124 40CFR 52.21(j), Subpart A: Compliance Certification

125 40CFR 52.21(j), Subpart A: Compliance Certification

126 40CFR 52.21(j), Subpart A: Compliance Certification

127 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 60.334(h), NSPS Subpart GG: Compliance Certification
- 132 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 133 40CFR 75.11(d), Subpart B: Compliance Certification

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

- 134 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification

EU=E-R0002,Proc=RO2

- 135 6 NYCRR 231-2.7: Compliance Certification

EU=E-R0003

- 136 6 NYCRR Subpart 201-6: Compliance Certification
- 137 6 NYCRR Subpart 201-6: Compliance Certification
- 138 6 NYCRR Subpart 201-6: Compliance Certification
- 139 6 NYCRR Subpart 201-6: Compliance Certification
- 140 6 NYCRR Subpart 201-6: Compliance Certification

EU=E-R0003,Proc=0EG,ES=00EG1

- 141 6 NYCRR 225-1.2 (d): Compliance Certification
- 142 6 NYCRR 227-2.2: Compliance Certification
- 143 6 NYCRR 227-2.4 (f) (4): Compliance Certification
- 144 6 NYCRR 227.2 (b) (1): Compliance Certification

EU=E-R0003,Proc=FO3

- 145 6 NYCRR 225-1.2 (a) (1): Compliance Certification
- 146 6 NYCRR 227-1.3 (a): Compliance Certification
- 147 6 NYCRR 231-2.4: Compliance Certification
- 148 6 NYCRR 231-2.4: Compliance Certification
- 149 6 NYCRR 231-2.4: Compliance Certification
- 150 6 NYCRR 231-2.4: Compliance Certification
- 151 40CFR 52.21(j), Subpart A: Compliance Certification
- 152 40CFR 52.21(j), Subpart A: Compliance Certification
- 153 40CFR 52.21(j), Subpart A: Compliance Certification
- 154 40CFR 52.21(j), Subpart A: Compliance Certification
- 155 40CFR 52.21(j), Subpart A: Compliance Certification
- 156 40CFR 52.21(j), Subpart A: Compliance Certification
- 157 40CFR 52.21(j), Subpart A: Compliance Certification
- 158 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 159 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 160 40CFR 75.11(d), Subpart B: Compliance Certification

EU=E-R0003,Proc=NG3

- 161 6 NYCRR 231-2.4: Compliance Certification
- 162 6 NYCRR 231-2.4: Compliance Certification
- 163 6 NYCRR 231-2.4: Compliance Certification
- 164 6 NYCRR 231-2.4: Compliance Certification
- 165 6 NYCRR 231-2.4: Compliance Certification
- 166 6 NYCRR 231-2.4: Compliance Certification
- 167 6 NYCRR 231-2.4: Compliance Certification



- 168 6 NYCRR 231-2.4: Compliance Certification
- 169 40CFR 52.21(j), Subpart A: Compliance Certification
- 170 40CFR 52.21(j), Subpart A: Compliance Certification
- 171 40CFR 52.21(j), Subpart A: Compliance Certification
- 172 40CFR 52.21(j), Subpart A: Compliance Certification
- 173 40CFR 52.21(j), Subpart A: Compliance Certification
- 174 40CFR 52.21(j), Subpart A: Compliance Certification
- 175 40CFR 52.21(j), Subpart A: Compliance Certification
- 176 40CFR 52.21(j), Subpart A: Compliance Certification
- 177 40CFR 52.21(j), Subpart A: Compliance Certification
- 178 40CFR 52.21(j), Subpart A: Compliance Certification
- 179 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 180 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 181 40CFR 75.11(d), Subpart B: Compliance Certification

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

- 182 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification

EU=E-R0011

- 183 6 NYCRR 212.6: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 184 ECL 19-0301: Contaminant List
- 185 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 186 6 NYCRR 211.2: Air pollution prohibited
- 187 6 NYCRR 242-1.5: CO2 Budget Trading Program - Excess emission requirements
- 188 6 NYCRR 242-1.5: Compliance Demonstration
- 189 6 NYCRR 242-1.5: Compliance Demonstration

Emission Unit Level

EU=E-R0002,Proc=RO2

- 190 6 NYCRR 227-1.2 (a) (1): Compliance Demonstration
- 191 6 NYCRR 227-1.2 (a) (2): 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 - 6 NYCRR 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 - 6 NYCRR 201-1.10 (b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR 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 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 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 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 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 - 6 NYCRR 201-6.5 (a) (5)

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

Item H: Property Rights - 6 NYCRR 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 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 201-6.5 (g)

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

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

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



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

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

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

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

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

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide 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 1: Acceptable Ambient Air Quality
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:
Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 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 3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 3.1:



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 4: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 4.1:

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

Condition 5: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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 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 7/30/2009.



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

Condition 6: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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.

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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

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

The address for the RAPCE is as follows:

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 1/30/2010.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
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.



Condition 11: Recycling and Salvage
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 13.1:

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 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 14.1:

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



Condition 18: Off Permit Changes
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 18.1:

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 19: Required Emissions Tests
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 19.1:

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 20: Visible Emissions Limited
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 211.3

Item 20.1:

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 21: Accidental release provisions.
Effective between the dates of 05/12/2009 and 05/11/2014



Applicable Federal Requirement:40 CFR Part 68

Item 21.1:

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 22: Recycling and Emissions Reduction
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:40CFR 82, Subpart F

Item 22.1:

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.

Condition 23: Emission Unit Definition
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:

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. Use of fuel oil in Unit 6 (Boiler 00060) during the period April 1 through November 14 is limited such that 90 percent of the fuel combusted, on a heating value basis, will on the average be natural gas during that period, based upon a three-season averaging period. Use of fuel oil in Unit No. 7 (Boiler 00070) during the period April 1 to November 14 is limited such that 90 percent of the fuel combusted, on a heating value basis, will on an average be natural gas during that period.

Building(s): BOILERHS

Item 23.2:

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

Emission Unit: E-R0002

Emission Unit Description:

Large boilers 110 through 119 (South Steam Station). All boilers have the capability to burn residual oil and have the capability to burn natural gas. The maximum total heat input for boilers 110 through 119 is limited to 900 MMBtu/hr during oil firing and 960 MMBtu/hr during natural gas firing. 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) (Unit No. 1). This CT train has an associated heat recovery steam generator (HRSG) with duct burner that is fired with only natural gas. Unit No. 1 steam can be sent to the #6 steam turbine.

Unit No.1 and the large boilers 110 through 119 exhaust through emission points 00001.

During any period, each HRSG's duct burner 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).

The duct firing will be increased in each HRSG associated with Unit No.s 1 and 2 such that the maximum steam output to the steam distribution system is raised from 1.6 to 1.7 million pounds per hour. Existing emission limits and existing daily heat input limits on HRSG firing will be maintained while achieving this 1.7 million lbs/hr steam output.

Building(s): BOILERHS

Item 23.3:

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

Emission Unit: E-R0003

Emission Unit Description:

Emission Unit ER0003 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) (Unit No.2). This CT train has an associated heat recovery steam generator (HRSG) with duct burner that will be fired with only natural gas. Unit No.2 steam can be sent to the #6 steam turbine. Unit No. 2 will exhaust through emission point 00002.

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).

This emission unit also includes one 1000KW diesel-or dual fuel (diesel and natural gas) fired emergency generator.

The duct firing will be increased in each HRSG associated with Unit No.s 1 and 2 such that the maximum steam output to the steam distribution system is raised from 1.6 to 1.7 million pounds per hour. Existing emission limits and existing daily heat input limits on HRSG firing will be maintained while achieving this 1.7 million lbs/hr steam output.

Building(s): BOILERHS

Item 23.4:

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 24: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Once 15 start-ups and 15 shutdowns have occurred for Units 1 and 2 while firing distillate oil, the owner or operator shall submit start-up and shutdown emission data with an application for permit modification. This data will be used to establish enforceable combustion turbine



start-up and shutdown emission limits for CO, NOx and NH3 during distillate oil firing.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Once Units 1 & 2 have been tested 15 times and tuned 15 times while firing distillate oil, the owner or operator shall submit the emission data for testing and tuning with an application for a permit modification. This data will be used to establish enforceable combustion turbine emission limits for CO, NOx and NH3 during testing and tuning.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 26: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 26.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-R0002

Process: NG4

Emission Unit: E-R0003

Process: NG3

Item 26.2:

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



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:

Once Units 1 & 2 have been tested 15 times and tuned 15 times while firing natural gas, the owner or operator shall submit the emission data for testing and tuning with an application for a permit modification. This data will be used to establish enforceable combustion turbine emission limits for CO, NOx and NH3 during testing and tuning.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 29: Non Applicable requirements

Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 29.1:

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

Condition 30: Notification

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 202-1.2

Item 30.1:

A person who is required by the commissioner to submit a stack test report shall notify the commissioner, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include the acceptable procedures to be used to stack test including sampling and analytical procedures. Such person shall allow the commissioner, or his representative, free access to observe stack testing being conducted by such person.

Condition 31: Submissions to the Department

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 204-2.1 (e)

Item 31.1:

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



This Condition applies to:

Emission Unit: ER0001

Emission Unit: ER0002

Emission Unit: ER0003

Item 31:

Item 31.2.3: 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 204-2.4(a)(4)) by the NOx authorized account representative.

Condition 32: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 204-4.1

Item 32.1:

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

Emission Unit: E-R0001

Emission Unit: E-R0002

Emission Unit: E-R0003

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 33: Submission of NOx allowance transfers.
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 204-7.1

Item 33.1:



Applicable Federal Requirement:6 NYCRR 204-8.2

Item 35.1:

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

Emission Unit: E-R0001

Emission Unit: E-R0002

Emission Unit: E-R0003

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 36: Requirements for recertification of monitoring systems
Effective between the dates of 05/12/2009 and 05/11/2014**

Applicable Federal Requirement:6 NYCRR 204-8.2 (b) (2)

Item 36.1:

This Condition applies to:

Emission Unit: ER0001

Emission Unit: ER0002

Emission Unit: ER0003

Item 36.2:

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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 37: Out of control periods.

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 204-8.3

Item 37.1:

This Condition applies to:

Emission Unit: ER0001

Emission Unit: ER0002

Emission Unit: ER0003

Item 37.2: Whenever any monitoring system fails to meet the quality assurance

requirements of Appendix B of 40 CFR Part 75, data shall be substituted using the applicable procedures in Subpart D, Appendix D, or Appendix E of 40 CFR Part 75.

Condition 38: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 204-8.7

Item 38.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-R0001

Emission Unit: E-R0002

Emission Unit: E-R0003

Item 38.2:

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 NOx Mass emissions using a NOx concentration system and a flow system shall also monitor and report heat input at the unit level using the procedures set forth in 40 CFR Part 75.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



Condition 39: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 207.3 (d)

Item 39.1:
The Compliance Certification activity will be performed for the Facility.

Item 39.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

When the Commissioner determines that an air pollution episode is in effect, the facility shall take the actions as prescribed in the most recent approved episode action plan. The facility must also maintain an air pollution episode log at the facility.

The most recent approved episode action plan, is available for review at the regional office of the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 40: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 40.1:
The Compliance Certification activity will be performed for the Facility.

Item 40.2:
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.

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 41: Temporary variances.
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 225-1.4

Item 41.1:

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 42: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 225-1.8

Item 42.1:

The Compliance Certification activity will be performed for the Facility.

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator of a facility which purchases and fires coal and/or fuel oil shall compile and retain records of the following information:

- a. fuel analyses and data on the quantities of all residual and distillate oil and coal received, burned or sold;
- b. the names of all purchasers of all residual and distillate oil and coal sold;
- c. any results of stack sampling, stack monitoring and other procedures used to ensure compliance with the provisions of 6 NYCRR Part 225-1.

Fuel analyses must contain, as a minimum, data on the sulfur content, specific gravity and heating value of any residual oil, distillate oil or coal received, burned or sold. Ash content shall also be included in the fuel analyses for any residual oil or coal received, burned or sold.

These records shall be retained for a minimum period of



three years. If the facility is subject to Title V requirements the minimum record retention period shall be five years. The records shall be made available for inspection by department staff during normal business hours. In addition, copies of such records shall be furnished to department staff upon request. All required sampling, compositing and analysis of fuel samples must be done in accordance with methods acceptable to the department.

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 7/30/2009.

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

**Condition 43: Sampling, compositing, and analysis of fuel samples
Effective between the dates of 05/12/2009 and 05/11/2014**

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

Item 43.1:

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 44: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014**

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 44.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In response to New York State Department of Environmental Conservation opacity regulations, Con Edison installed and certified Lear Siegler RM41 transmissometers on applicable Fossil Power stacks during the early 1980s. In 1994 and 1995, as part of Con Edison's Continuous Emissions Monitoring System (CEMS) program, existing equipment at all facilities was replaced with new state-of-the-art Land Model 4500 units. New recorders were installed and digital opacity indicators were placed in control rooms so that Station operators would have



real-time opacity readings. Con-Edison's opacity monitors shall be operated and maintained in accordance with the requirements of 40 CFR Part 75.

1. Opacity Incident Reporting:

Con Edison shall prepare opacity incident reports consistent with the requirements of this paragraph. The term opacity incident as used in this condition means smoke emissions which exhibit greater than 20% opacity (6-minute average).

Opacity incident report shall be maintained by Con Edison for a period of three years and shall be made available for inspection by the Department on demand. To provide a consistent and permanent record of all reportable opacity events, incident reporting was initiated in 1994. The reports consist of documenting incident events by way of Incident Reports in Con Edison's Central information database system. Incident Reports identify personnel on duty, a brief summary of the incident and as necessary a sequence of events, a preliminary cause analysis and associated corrective action requirements. All opacity Incident Reports are available electronically to cognizant Con Edison departments and personnel for their information, review and use. Incident Reports form the basis for more detailed root cause analysis, corrective actions, design modifications and project/program development and implementation.

2. Opacity Reporting Compliance Audits:

Con Edison shall conduct monthly opacity reporting compliance audits consistent with the requirements of this paragraph. Monthly opacity reporting compliance audits have been performed since April, 1994 and shall continue to be performed to ensure compliance with applicable regulatory reporting requirements. Audits include a detailed review of all opacity charts or recording device data for the prior month, confirmation that all indicated events were properly reported and documented, charts properly marked, survey sheets completed and all documentation retained. Comprehensive audit reports shall continue to be prepared to identify all relevant observations. Items tabulated include missing chart hours and survey sheets, events greater than 20% opacity, events greater than 40% opacity, total incidents, incidents reported and events covered by Incident Reports.

3. Awareness, Communications and Training:



Con Edison shall comply with the opacity awareness, communications and training provisions of this paragraph. Several significant initiatives have been undertaken to ensure and reinforce personnel understanding of the regulatory and operational requirements associated with this opacity. Awareness has been heightened by consistently and effectively communicating mandates throughout all levels of Con Edison's Steam Operations organization. Opacity audit results, significant or unusual exceedances, trends, goals, new developments and/or opacity reduction initiatives shall be included as agenda items, when appropriate, at a variety of meetings, including the monthly meeting of the Steam Operations Vice President with the Plant Managers, the Steam Operations Program Managers Meeting, and/or the Operations and Maintenance Managers Meeting in order to promote continuing improvement in opacity awareness and compliance. Some of the opacity exceedances will be included in the review and discussion agenda of each monthly Incident Report Review Meeting, which is attended by key Steam Operations managers from each station, as well as EH&S and Central Engineering personnel.

At the local generating station level, opacity understanding and awareness shall be communicated on an ongoing basis from station management to supervisory and operating and maintenance personnel. Such communications shall be reinforced by operator interaction with personnel assigned as Opacity Auditors. Formal operator training is required of all personnel in order to receive their Air Pollution Control Certificates. A formal Air Pollution Control Refresher Course has been developed by the Company and shall be given to all control room operators by December 1998. It shall provide training in opacity regulatory requirements, fundamentals of combustion, and the balance between NO_x control and opacity and continuous emissions monitoring interface.

4. Preventive Maintenance:

Con Edison shall conduct, on an ongoing basis, a preventive maintenance program as described in this paragraph. Review of opacity-related Incident Reports by Con Edison has identified equipment deficiencies, both in design and maintenance. The consistent and repetitive nature of maintenance-related deficiencies has indicated the need for a comprehensive boiler component opacity reduction preventive maintenance program. The program has been fully operational since mid-1996. It consists of three phases defined as follows:



Phase 1 - identify essential program elements including repetitive deficiencies;
Phase 2 - develop procedures for each identified element;
Phase 3 - consists of ongoing implementation of preventive maintenance.

The primary elements of Con Edison's ongoing preventive maintenance program for opacity reductions consist of regular inspection, calibration, and/or servicing of the following equipment in each of the generating stations:

- CEMS stack opacity monitoring equipment;
- Boiler control and instrumentation;
- Fuel oil and gas meters;
- Fuel oil pumps and strainers;
- Boiler fireside tubes (to minimize ash build-up);
- Air preheaters (to minimize ash build-up);
- Control-air air compressors;
- Fuel oil regulators;
- Atomizing steam regulators;
- Fan dampers and actuators; and
- Oil guns and tips.

This program may be revised by adding appropriate new maintenance requirements and deleting ineffective or obsolete maintenance activities based on operating experience or changes in equipment operation. The Department shall be notified of all significant additions and deletions to the preventive maintenance program via Con Edison's quarterly report to the Department.

5. Root Cause Analysis and Corrective Actions:

Con Edison shall conduct root cause analyses as described in this paragraph and shall take all corrective actions that are deemed necessary to maintain full compliance with the State's opacity requirements. A comprehensive Root Cause Analysis program, including deficiency categorization and correction of categorized deficiencies was implemented in April 1995. Incident categories include oil, air, atomizing steam, ignition, burner and combustion control system deficiencies. Analysis, categorization and corrective action development shall be performed monthly by the facility's Boiler System Engineer and other station personnel. Corrections due to equipment failure, malfunction and marginal design shall be accomplished by corrective maintenance and simple design basis enhancement activities. Correction of operation deviations include focused training, minimized soot blowing and increased boiler fireside washes. Significant design basis deficiencies shall be corrected by the



development and implementation of design basis enhancement projects, including, but not limited to, fuel switching and ignition and control system retrofits.

6. Quarterly Reports:

Con Edison shall submit to the Department quarterly reports each May 15, August 15, November 15 and February 15, which describe activities and progress that Con Edison has made during the preceding quarter in carrying out the requirements of paragraphs 1 through 5 above in this condition. Penalties will not be assessed for excess opacity emission events attributable solely to equipment malfunctions or boiler start-ups or shut-downs, (as those terms are defined in 40 CFR § 60.2); provided that, Con Edison identifies those events in its quarterly excess emission reports, certifies that the events were not preventable and the Department does not dispute Con Edison's claim that such events were not preventable. When requested by the Department, Con Edison shall make available to the Department any incident reports and root cause analysis that it prepared for such events. Con Edison shall expressly identify in its quarterly excess emission reports instances of excess opacity attributable to soot blowing, operator error, or careless operation of properly functioning equipment.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 45: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 45.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 45.2:

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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.

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: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 46: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 46.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 46.2:

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 7/30/2009.

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

Condition 47: Emission offset requirements
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Item 47.1:

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 48: Emission offset requirements
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 48.1:

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 49: Emission offset requirements - VOC
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 49.1:

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 50: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Item 50.1:

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 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The combined total VOC emissions from two (2) truncated combined cycle combustion turbine units and new emergency generator shall not exceed 172 tons per year.

The total VOC emissions from emission sources CT001 and HRSG1 under Emission Unit ER0002 are limited to 86 tpy, and the total VOC emissions from emission sources CT002, HRSG2 and 00EG1 under Emission Unit ER0003 are limited to 86 tpy.

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.

The initial report is due 7/30/2009.

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

Condition 51: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 51.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-R0002

Process: FO1

Emission Source: CT001

Emission Unit: E-R0002

Process: NG4

Emission Source: CT001

Emission Unit: E-R0002

Process: NG4

Emission Source: HRSG1



Emission Unit: E-R0003
Process: 0EG Emission Source: 00EG1

Emission Unit: E-R0003
Process: FO3 Emission Source: CT002

Emission Unit: E-R0003
Process: NG3 Emission Source: CT002

Emission Unit: E-R0003
Process: NG3 Emission Source: HRSG2

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The combined total NOx emissions from two (2) truncated combined cycle combustion turbine units and new emergency generator shall not exceed 297 tons per year. The total NOx emissions from emission sources, CT001 and HRSG1 under Emission Unit ER0002 are limited to 148.5 tpy, and the total NOx emissions from emission sources CT002, HRSG2 and 00EG1 under Emission Unit ER0003 are limited to 148.5 tpy.

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 7/30/2009.

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

Condition 52: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 52.1:

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):

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The combined total PM-10 emissions from the two (2) truncated combined cycle combustion turbine units and emergency generator shall not exceed 184.7 tons per year. The total PM-10 emissions from emission sources CT001 and HRSG1 under Emission Unit ER0002 shall be limited to 92.35 tpy and the total PM-10 emissions from emission sources CT002, HRSG2 and 00EG1 under Emission Unit ER0003 are limited to 92.35 TPY.

Parameter Monitored: PM-10

Upper Permit Limit: 92.35 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 53: Permit Requirements

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 243-1.6 (a)

Item 53.1:

The CAIR designated representative of each CAIR NOx Ozone Season source shall:

- (i) submit to the department a complete CAIR permit application under section 243-3.3 in accordance with the deadlines specified in section 243-3.2; and
- (ii) submit in a timely manner any supplemental information that the department determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

The owners and operators of each CAIR NOx Ozone Season source shall have a CAIR permit issued by the department under Subpart 243-3 for the source and operate the source and the unit in compliance with such CAIR permit.

Condition 54: Excess emission requirements

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 243-1.6 (d)

Item 54.1:

If a CAIR NOx Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NOx Ozone Season emissions limitation, then:

- (1) the owners and operators of the source and each CAIR NOx Ozone Season unit at the source shall surrender the CAIR NOx Ozone Season allowances required for deduction under section 243-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law; and



(2) each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law.

Condition 55: Authorization and responsibilities of CAIR designated representative
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 243-2.1

Item 55.1:

Except as provided under section 243-2.2, each CAIR NOx Ozone Season source, including all CAIR NOx Ozone Season units at the source, shall have one and only one CAIR designated representative, with regard to all matters under the CAIR NOx Ozone Season Trading Program concerning the source or any CAIR NOx Ozone Season unit at the source.

The CAIR designated representative of the CAIR NOx Ozone Season source shall be selected by an agreement binding on the owners and operators of the source and all CAIR NOx Ozone Season units at the source and shall act in accordance with the certification statement in section 243-2.4(a)(4)(iv).

Upon receipt by the Administrator of a complete certificate of representation under section 243-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NOx Ozone Season source represented and each CAIR NOx Ozone Season unit at the source in all matters pertaining to the CAIR NOx Ozone Season Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source or unit.

No CAIR permit will be issued, no emissions data reports will be accepted, and no CAIR NOx Ozone Season Allowance Tracking System account will be established for a CAIR NOx Ozone Season unit at a source, until the Administrator has received a complete certificate of representation under section 243-2.4 for a CAIR designated representative of the source and the CAIR NOx Ozone Season units at the source.

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

Condition 56: General requirements
Effective between the dates of 05/12/2009 and 05/11/2014



Applicable Federal Requirement:6 NYCRR 243-8.1

Item 56.1:

The owners and operators, and to the extent applicable, the CAIR designated representative, of a CAIR NOx Ozone Season unit, shall comply with the monitoring, recordkeeping, 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 243-1.2 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 deemed to refer to the terms "CAIR NOx Ozone Season unit," "CAIR designated representative," and "continuous emission monitoring system" (or "CEMS") respectively, as defined in section 243-1.2. The owner or operator of a unit that is not a CAIR NOx Ozone Season unit but that is monitored under 40 CFR 75.72(b)(2)(ii) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CAIR NOx Ozone Season unit.

'Requirements for installation, certification, and data accounting.' The owner or operator of each CAIR NOx Ozone Season unit shall:

- (1) install all monitoring systems required under this Subpart for monitoring NOx mass emissions and individual unit heat input (including all systems required to monitor NOx emission rate, NOx concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.71 and 40 CFR 75.72);
- (2) successfully complete all certification tests required under section 243-8.2 and meet all other requirements of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraph (a)(1) of this section; and
- (3) record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

Condition 57: Prohibitions
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 243-8.1

Item 57.1:

No owner or operator of a CAIR NOx Ozone Season unit shall use any alternative monitoring system, alternative reference method, or any other alternative to any requirement of this Subpart without having obtained prior written approval in accordance with section 243-8.6.

No owner or operator of a CAIR NOx Ozone Season unit shall 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.

No owner or operator of a CAIR NOx Ozone Season unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NOx mass emissions discharged into the atmosphere or heat input, 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.

No owner or operator of a CAIR NO_x Ozone Season unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under this Subpart, except under any one of the following circumstances:

- (i) during the period that the unit is covered by an exemption under section 243-1.5 that is in effect;
- (ii) 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 retired or discontinued monitoring system; or
- (iii) the CAIR designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with section 243-8.2(d)(3)(i).

Condition 58: Out of control periods
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 243-8.3

Item 58.1:

Whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR Part 75, data shall be substituted using the applicable missing data procedures in Subpart D or Subpart H of, or appendix D or appendix E to, 40 CFR Part 75.

Condition 59: Quarterly reports
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 243-8.5 (d)

Item 59.1:

The CAIR designated representative shall submit quarterly reports, as follows:

If the CAIR NO_x Ozone Season unit is subject to an Acid Rain emissions limitation or a CAIR NO_x emissions limitation or if the owner or operator of such unit chooses to report on an annual basis under this Subpart, the CAIR designated representative shall meet the requirements of Subpart H of 40 CFR Part 75 (concerning monitoring of NO_x mass emissions) for such unit for the entire year and shall report the NO_x mass emissions data and heat input data for such unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with:

(i) for a unit that commences commercial operation before July 1, 2007, the calendar quarter covering May 1, 2008 through June 30, 2008;

(ii) for a unit that commences commercial operation on or after July 1, 2007, the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under section 243-8.1(b), unless that quarter is the third or fourth quarter of 2007 or the first quarter of 2008, in which case reporting shall commence in the quarter covering May 1, 2008 through June 30, 2008.



The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).

For CAIR NO_x Ozone Season units that are also subject to an Acid Rain emissions limitation or the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6 NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the NO_x mass emission data, heat input data, and other information required by this Subpart.

Condition 60: CAIR General and Permit Requirements
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement: 6 NYCRR Subpart 244-1

Item 60.1:

(1) As of midnight of March 1, or midnight of the first business day thereafter if March 1 is not a business day, the owners and operators shall hold, in their compliance account, CAIR NO_x allowances available for compliance deductions for the previous control period (January 1 through December 31), in an amount not less than the total tons of nitrogen oxides emissions from all CAIR NO_x units at the source during that control period. (244-1.6(c)(1), 244-1.2(b)(5), 244-1.2(b)(36))

(2) A CAIR NO_x allowance shall not be deducted, for compliance with the requirements under paragraph (2) of this section, for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated. (244-1.6(c)(3))

(3) 'Excess emissions requirements.' If a CAIR NO_x source emits nitrogen oxides during any control period in excess of the CAIR NO_x emissions limitation, the owners and operators of the CAIR NO_x source shall surrender the CAIR NO_x allowances required for deduction under 6 NYCRR Part 244-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law. Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this permit, the Act, and applicable State law. (244-1.6(d))

(4) Unless otherwise provided, the owners and operators of the CAIR NO_x source shall keep on site each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator:

(i) The certificate of representation under 6 NYCRR Part 244-2.4 for the CAIR designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five year period until such documents are superseded because of the submission of a new certificate of representation under 6 NYCRR Part 244-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 6 NYCRR Part 244-8, provided that to the extent that 6 NYCRR Part 244-8 provides for a three year period for recordkeeping, the three year period shall apply.



(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NOx Annual Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NOx Annual Trading Program or to demonstrate compliance with the requirements of the CAIR NOx Annual Trading Program. (244-1.6(e))

Condition 61: Designated CAIR Representative
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 244-2

Item 61.1:

(1) Each CAIR NOx source shall have one CAIR designated representative and may have one alternate representative, as per 6NYCRR Part 244-2.2, with regard to all matters under the CAIR NOx Annual Trading Program. The CAIR designated representative shall be selected by an agreement binding on the owners and operators of the source and act in accordance with the certification statement in 6NYCRR Part 244-2.4(a)(4)(iv). Upon receipt by the Administrator of a complete certificate of representation under 6NYCRR Part 244-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NOx source represented in all matters pertaining to the CAIR NOx Annual Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source.

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

Condition 62: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 244-8

Item 62.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 62.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and Reporting NOX emissions

(1) The owners and operators, and to the extent applicable, the CAIR designated representative shall comply with all recordkeeping and reporting requirements in this condition, the applicable recordkeeping and reporting requirements under 40 CFR 75, and the requirements of 6NYCRR Part 244-2.1(e)(1).

(2) The CAIR designated representative shall submit quarterly reports of the the NOx mass emissions data and heat input data for each CAIR NOx unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under 6NYCRR Part 244-8.1(b), unless that quarter is the third or fourth quarter of 2007, in which case reporting shall commence in the quarter covering January 1, 2008 through March 31, 2008.

(3) The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).

(4) For CAIR NOx units that are also subject to an Acid Rain emissions limitation or the CAIR NOx Ozone Season Trading Program, CAIR SO2 Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the NOx mass emission data, heat input data, and other information required by this Subpart.

(5) 'Compliance certification.' The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:



(i) the monitoring data submitted were recorded in accordance with the applicable requirements of 6NYCRR Part 244 and 40 CFR Part 75, including the quality assurance procedures and specifications; and

(ii) for a unit with add-on NO_x emission controls and for all hours where NO_x data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate NO_x emissions.

(6) Whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR part 75, data shall be substituted using the applicable missing data procedures in Subpart D or Subpart H of, or appendix D or appendix E to 40 CFR part 75. [244-8.3(a)]

(7) Whenever the owner or operator makes a replacement, modification, or change in any certified continuous emission monitoring system under 6NYCRR Part 244-8.1(a)(1) that may significantly affect the ability of the system to accurately measure or record NO_x mass emissions or heat input rate or to meet the quality-assurance and quality-control requirements of 40 CFR 75.21 or appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system in accordance with 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 may significantly change the stack flow or concentration profile, the owner or operator shall recertify each continuous emission monitoring system whose accuracy is potentially affected by the change, in accordance with 40 CFR 75.20(b). Examples of changes to a continuous emission monitoring system that require recertification include replacement of the analyzer, complete replacement of an existing continuous emission monitoring system, or change in location or orientation of the sampling probe or site. Any fuel flowmeter system, and any excepted NO_x monitoring system under appendix E to 40 CFR part 75, under 6NYCRR Part 244-8.1(a)(1) are subject to the recertification requirements in 40 CFR 75.20(g)(6). [224-8.2(d)(2)

Monitoring Frequency: CONTINUOUS
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



Condition 63: CAIR General and Permit Requirements
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 245-1

Item 63.1:

(1) Each CAIR SO₂ source must have a permit issued by the department pursuant to 6NYCRR Parts 201 and 621 of this title; and shall have a CAIR permit issued pursuant to 6NYCRR Part 245-3 by the Department and operate the source in compliance with such CAIR permit. Each CAIR permit must contain all applicable requirements for the CAIR SO₂ Trading Program and shall be a complete and separable portion of the permit. (245-1 and 245-3)

(2) As of midnight of March 1, or midnight of the first business day thereafter (if March 1 is not a business day) for a control period, the owners and operators of each CAIR SO₂ source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO₂ allowances available for compliance deductions for the control period (January 1 through December 31) as determined in accordance with 6NYCRR Part 245-6.5(a) and (b), not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO₂ units at the source, as determined in accordance with 6NYCRR Part 245-8. (245-1.2(b)(5), 245-1.6(c)(1), 245-1.2(b)(36))

(3) A CAIR SO₂ allowance shall not be deducted, for compliance with the requirements under paragraph (2) of this section, for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated. (245-1.6(c)(3))

(4)'Excess emissions requirements.' If a CAIR SO₂ source emits sulfur dioxide during any control period in excess of the CAIR SO₂ emissions limitation, the owners and operators of the source shall surrender the CAIR SO₂ allowances required for deduction under 6NYCRR Part 245-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law. Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law. (245-1.6(d))

(5) Unless otherwise provided, the owners and operators of the CAIR SO₂ source shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator:

(i) The certificate of representation under 6NYCRR Part 245-2.4 for the CAIR designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five-year period until such documents are superseded because of the submission of a new certificate of representation under 6NYCRR Part 245-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 6NYCRR Part 245-8, provided that to the extent that 6NYCRR Part 245-8 provides for a three-year period for recordkeeping, the three-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO₂ Trading Program.



(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR SO₂ Trading Program or to demonstrate compliance with the requirements of the CAIR SO₂ Trading Program. (245-1.6(e))

Condition 64: Designated CAIR Representative
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 245-2

Item 64.1:

Each CAIR SO₂ source shall have one and only one CAIR designated representative and may have one alternate representative, as per 6NYCRR Part 245-2.2, with regard to all matters under the CAIR SO₂ Trading Program. The CAIR designated representative of the CAIR SO₂ source shall be selected by an agreement binding on the owners and operators of the source and all CAIR SO₂ units at the source and shall act in accordance with the certification statement in 6NYCRR Part 245-2.4(a)(4)(iv). Upon receipt by the Administrator of a complete certificate of representation under 6NYCRR Part 245-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR SO₂ source represented and each CAIR SO₂ unit at the source in all matters pertaining to the CAIR SO₂ Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source or unit.

(2) Each submission under the CAIR SO₂ Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR SO₂ source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

Condition 65: Monitoring and Reporting SO₂ Emissions
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 245-8

Item 65.1:

(1)The owners and operators, and to the extent applicable, the CAIR designated representative, of a CAIR SO₂ unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this section and in 40 CFR Part 75, Subparts F and G. For purposes of complying with such requirements, the definitions in section 245-1.2 and 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 deemed to refer to the terms "CAIR SO₂ unit," "CAIR designated representative," and "continuous emission monitoring system" (or "CEMS") respectively, as defined in section 245-1.2. The owner or operator of a unit that is not a CAIR SO₂ unit but that is monitored under 40 CFR 75.16(b)(2) shall comply with the same



monitoring, recordkeeping, and reporting requirements as a CAIR SO2 unit. (245-8.1)

(2) 'Requirements for installation, certification, and data accounting.' The owner or operator of each CAIR SO2 unit shall:

(i) install all monitoring systems required under this Subpart for monitoring SO2 mass emissions and individual unit heat input (including all systems required to monitor SO2 concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.11 and 40 CFR 75.16);

(ii) successfully complete all certification tests required under Part 245-8.2 and meet all other requirements of this section and 40 CFR Part 75 applicable to the monitoring systems under this section; and

(iii) record, report, and quality-assure the data from the monitoring systems under paragraph of this section. (245-8.1(a))

(3) 'Compliance deadlines.' The owner or operator shall meet the monitoring system certification and other requirements of paragraphs (a)(1) and (2) of this section on or before the following dates. The owner or operator shall record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section on and after the following dates.

(i) For the owner or operator of a CAIR SO2 unit that commences commercial operation before July 1, 2008, by January 1, 2009.

(ii) For the owner or operator of a CAIR SO2 unit that commences commercial operation on or after July 1, 2008, by the later of the following dates: January 1, 2009; or 90 unit operating days or 180 calendar days, whichever occurs first, after the date on which the unit commences commercial operation. (245-8.1(b))

(4) 'Reporting data.' The owner or operator of a CAIR SO2 unit that does not meet the applicable compliance date set forth in this section for any monitoring system under paragraph 2 of this section shall, for each such monitoring system, determine, record, and report maximum potential (or, as appropriate, minimum potential) values for SO2 concentration, stack gas flow rate, stack gas moisture content, fuel flow rate, and any other parameters required to determine SO2 mass emissions and heat input in accordance with 40 CFR 75.31(b)(2) or (c)(3) or 40 CFR Part 75, appendix D, section 2.4, as applicable. (245-8.1(c))

**Condition 66: EPA Region 2 address.
Effective between the dates of 05/12/2009 and 05/11/2014**

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 66.1:

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



pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 69: Facility files for subject sources.
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 69.1:

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 70: Performance Testing Timeline
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 70.1:

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 the Administrator.

Condition 71: Performance test methods.
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 71.1:

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 72: Required performance test information.
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 72.1:

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 73: Prior notice.
Effective between the dates of 05/12/2009 and 05/11/2014

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



Item 73.1:

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

Condition 74: Performance testing facilities.
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 74.1:

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 75: Number of required tests.
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 75.1:

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 76: Opacity standard compliance testing.
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 76.1:

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 77: Circumvention.
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A



Item 77.1:

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 78: Monitoring requirements.
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 78.1:

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

Condition 79: Modifications.
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 79.1:

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 80: Reconstruction
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 80.1:

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



the applicable standards of performance after the proposed replacements.

Condition 81: Facility Subject to Title IV Acid Rain Regulations and Permitting

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:40 CFR Part 72

Item 81.1: 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.

**** Emission Unit Level ****

Condition 82: Emission Point Definition By Emission Unit

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 82.1:

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.): 180
NYTMN (km.): 4509.063 NYTME (km.): 586.662 Building: BOILERHS

Emission Point: 00004

Height (ft.): 370 Diameter (in.): 180
NYTMN (km.): 4509.088 NYTME (km.): 586.617 Building: BOILERHS

Item 82.2:

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.): 4509.01 NYTME (km.): 586.764 Building: PKBOILER

Item 82.3:

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.): 4509.028 NYTME (km.): 586.731 Building: BOILERHS

Item 82.4:

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Emission Unit: E-R0011

Emission Point: VE060

Height (ft.): 129

Diameter (in.): 4

NYTMN (km.): 4509.07

NYTME (km.): 586.685

Building: BOILERHS

Emission Point: VE070

Height (ft.): 129

Diameter (in.): 4

NYTMN (km.): 4509.07

NYTME (km.): 586.685

Building: BOILERHS

Condition 83: Process Definition By Emission Unit

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 83.1:

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

Item 83.2:

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 83.3:

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 (Unit No. 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 for 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.

A biocide may be added to prevent fouling when fuel oil is stored for extended periods.

Emission Source/Control: CT001 - Combustion
Design Capacity: 2,054 million Btu per hour

Emission Source/Control: HRSG1 - Combustion
Design Capacity: 1,332 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 83.4:

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

Emission Unit: E-R0002
Process: NG2 Source Classification Code: 1-02-006-01

Process Description:
This process includes: ten (10) package boilers (Nos. 110 through 119) rated at 192MMBtu/hr each, during natural gas firing. This process covers the combustion of natural gas in these boilers

Emission Source/Control: 00110 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00111 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00112 - Combustion
Design Capacity: 192 million Btu per hour



Emission Source/Control: 00113 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00114 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00115 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00116 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00117 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00118 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00119 - Combustion
Design Capacity: 192 million Btu per hour

Item 83.5:

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

Emission Unit: E-R0002

Process: NG4

Source Classification Code: 1-02-006-01

Process Description:

Combustion Turbine (Unit No. 1) firing natural gas with or without operation of heat recovery steam generator (HRSG). Dry low NO_x burners and SCR are used to control NO_x emissions and an oxidation catalyst is used to control CO and VOC emissions.

The duct firing will be increased in each HRSG associated with Unit No.s 1 and 2 such that the maximum steam output to the steam distribution system is raised from 1.6 to 1.7 million pounds per hour. Existing emission limits and existing daily heat input limits on HRSG firing will be maintained while achieving this 1.7 million lb/hr steam output. Natural gas firing during this period will increase to up to 1332 MMBtu/hr (higher heating value).

Emission Source/Control: CT001 - Combustion
Design Capacity: 2,054 million Btu per hour

Emission Source/Control: HRSG1 - Combustion
Design Capacity: 1,332 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 83.6:

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, during oil firing . This process covers the combustion of residual oil in these boilers.

Emission Source/Control: 00110 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00111 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00112 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00113 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00114 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00115 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00116 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00117 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00118 - Combustion
Design Capacity: 192 million Btu per hour

Emission Source/Control: 00119 - Combustion
Design Capacity: 192 million Btu per hour

Item 83.7:

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

Emission Unit: E-R0003
Process: OEG Source Classification Code: 2-02-001-06

Process Description:

This process consists of diesel-or dual fuel (diesel and natural gas) fired emergency generator which will be used



to provide back-up power in the event of a loss of normal power to Units No. 1 and /or 2.

Emission Source/Control: 00EG1 - Combustion
Design Capacity: 1,000 kilowatts

Item 83.8:

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

Emission Unit: E-R0003
Process: FO3 Source Classification Code: 2-01-001-01
Process Description:

One combustion turbine (Unit No. 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 for 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.

A biocide may be added to prevent fouling when fuel is stored for extended periods.

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

Emission Source/Control: HRSG2 - Combustion
Design Capacity: 1,332 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 83.9:

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 (Unit No. 2) firing natural gas with or without operation of heat recovery steam generator(HRSG). 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.



The duct firing will be increased in each HRSG associated with Unit No.s 1 and 2 such that the maximum steam output to the steam distribution system is raised from 1.6 to 1.7 million pounds per hour. Existing emission limits and existing daily heat input limits on HRSG firing will be maintained while achieving this 1.7 million lb/hr steam output. Natural gas firing during this period will increase to up to 1332 MMbtu/hr (higher heating value).

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

Emission Source/Control: HRSG2 - Combustion
Design Capacity: 1,332 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 83.10:

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 84: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0001

Item 84.2:

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:

Use of fuel oil in Unit 6 (Boiler60) during the period April 1 through November 14 shall be limited such that 90 percent of the fuel combusted, on a heating value basis, will on the average be natural gas during that period, based upon a three season averaging period. Use of fuel oil in Unit No. 7 (Boiler 70) during the period April 1 to November 14 shall be limited such that 90 percent of the fuel combusted, on a heating value basis, will on an average be natural gas during that period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 85: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 225-1.7

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0001

Item 85.2:

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 7/30/2009.

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

Condition 86: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 227-1.3



Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0001

Item 86.2:

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 87: Facility Subject to Title IV Acid Rain Regulations and Permitting

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:40 CFR Part 72

Item 87.1:

This Condition applies to Emission Unit: E-R0001

Item 87.2:

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 88: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0001

Process: RO1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 88.2:

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.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 17/method 5

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 89: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Item 89.2:

Compliance Certification 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 7/30/2009.

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

Condition 90: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Regulated Contaminant(s):

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

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The NOx limit 12 lbs per shutdown period not exceeding

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



sixty (60)minutes applies to combustion turbine (CT) generator(Unit 1) when firing natural gas. The emissions in excess of this limit shall be reported in the excess emissions report. All records shall be maintained at the facility for at least five years.

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

Upper Permit Limit: 12 pounds

Reference Test Method: 40 CFR

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 91: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The CO limit 584 pounds per start up period not exceeding two(2) hours applies to combustion turbine (CT) Generator (Unit 1) firing natural gas. The emissions in excess of this limit shall be reported quarterly through the excess emissions report. All records shall be maintained at the facility for at least five years.

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

Upper Permit Limit: 584 pounds

Reference Test Method: 40 CFR

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Condition 92: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Regulated Contaminant(s):

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

Item 92.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The NOx limit 200 pounds per start up period not exceeding two(2) hours applies to combustion turbine (CT) generator(Unit 2) firing natural gas. The emissions in excess of this limit shall be reported in the excess emissions report. All records shall be maintained at the facility for at least five years.

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

Upper Permit Limit: 200 pounds

Reference Test Method: 40 CFR

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 93: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 93.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The CO limit 30 lbs per shutdown period not exceeding sixty(60) minutes applies to combustion turbine (CT) generator(Unit 1) firing natural gas. The emissions in excess of this limit shall be reported in the excess emissions report. All records shall be maintained at the facility for at least five years.

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

Upper Permit Limit: 30 pounds

Reference Test Method: 40 CFR

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 94: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 225-1.7

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Item 94.2:

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 7/30/2009.

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

Condition 95: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014



Applicable Federal Requirement:6 NYCRR 227-1.3

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Item 95.2:

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 96: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: FO1

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

Item 96.2:

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 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 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 97: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 97.1:

The Compliance Certification activity will be performed for:



Emission Unit: E-R0002
Process: FO1

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

Item 97.2:

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 7/30/2009.

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

Condition 98: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 98.1:

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 98.2:

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 apply at all times. NOx emission rate will be monitored with a CEMs.

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 9 parts per million by volume (dry,
corrected to 15% O₂)

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 7/30/2009.

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

Condition 99: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 99.1:

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 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NO_x limit 72.61 pounds per hour applies during
distillate oil firing in the combustion turbine (duct
burner off). This emission limit apply at all times. NO_x
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 7/30/2009.

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

Condition 100: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

VOC <= 2 ppm (by volume, dry, @ 15% o2) 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: 2 parts per million by volume (dry, corrected to 15% O2)

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 7/30/2009.

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

Condition 102: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

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: 007704-34-9 SULFUR

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Low sulfur (0.045% maximum by weight) distillate oil shall fired in the combustion turbine.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR



Upper Permit Limit: 0.045 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 7/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 103: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 103.1:

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 103.2:

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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 104: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 104.1:

The Compliance Certification activity will be performed for:



Emission Unit: E-R0002
Process: FO1

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

Item 104.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia \leq 5 ppm (by volume, dry, @ 15% O₂) 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: 5 parts per billion by volume (dry, corrected to 15% O₂)

Reference Test Method: Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 90 days after the reporting period.

The initial report is due 9/28/2009.

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

Condition 105: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 105.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: FO1

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

Item 105.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO \leq 4 ppm (by volume, dry @ 15% O₂) during distillate oil firing in the combustion turbine (duct burner off). This emission limit apply at all times. The CO emission

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



rate will be monitored with a CEMS.

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

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 4 parts per million by volume (dry,
corrected to 15% O₂)

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 7/30/2009.

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

Condition 106: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO limit 19.66 pounds per hour during distillate oil firing in the combustion turbine (duct burner off). This emission limit apply at all times. 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 7/30/2009.

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

Condition 107: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014



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: FO1

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

Item 107.2:

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.

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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 108: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 108.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: FO1

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

Item 108.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia limit 15 lbs/hr 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 7/30/2009.

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

Condition 109: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 109.1:

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 109.2:

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 7/30/2009.

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

Condition 110: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014



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

Item 110.1:

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 110.2:

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 7/30/2009.

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

Condition 111: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 111.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: FO1

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

Item 111.2:

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.

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



The initial report is due 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 112: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.7

Item 112.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG2

Item 112.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The maximum total heat input for boilers 110 through 119
is limited to 960 MMBtu/hr during natural gas firing.

Parameter Monitored: HEAT INPUT

Upper Permit Limit: 960 million Btu per hour

Monitoring Frequency: HOURLY

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 113: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 113.1:

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 113.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



The NO_x limit ≤ 3 ppm (by volume, dry, @ 15% oxygen) shall be applicable during periods of steady state operation burning natural gas, with duct burner on, where facility operates the unit 16 or more minutes consecutively in one clock hour. When the turbine operates in steady state less than 16 minutes (consecutively in one clock hour and excluding start-up or shut down) the 3 ppmvd limit does not apply. Emission in excess of the 3 ppmvd limit shall be reported quarterly through the facility's excess emissions report. NO_x emissions shall be monitored with a CEMS.

Manufacturer Name/Model Number: CEM

Upper Permit Limit: 3 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 114: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement: 6 NYCRR 231-2.4

Item 114.1:

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 114.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The NO_x limit ≤ 2 ppm (by volume, dry, @ 15% oxygen) shall be applicable during periods of steady state operation burning natural gas, with duct burner off, where facility operates the unit 16 or more minutes consecutively in one clock hour. When the turbine operates in steady state less than 16 minutes (consecutively in one clock hour and excluding start-up or shut down) the 2 ppmvd limit does not apply. Emission in excess of the 2 ppmvd limit shall be reported quarterly through the facility's excess emissions report.



NOx emissions shall be monitored with a CEMS.

Manufacturer Name/Model Number: CEM
Upper Permit Limit: 2 parts per million by volume (dry,
corrected to 15% O2)
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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 115: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 115.1:

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 115.2:

Compliance Certification shall include the following monitoring:

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

The NOx limit 33.83 lbs/ hr shall apply (duct burner ON) during steady state operations where the turbine operates for the full 60 minutes of the hour. The following limits shall apply during steady state partial hours (less than the full 60 minutes) of operation. NOx emission rate will be monitored with a CEMS.

Time period(min)	NOx Mass Limit(lbs)
1-15	8.45
16-30	16.92
31-45	25.37
46+	33.83

Emissions in excess of steady state limits for full 60 minute hours and steady state partial hours shall be reported quarterly through the facility's excess emissions report.

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Manufacturer Name/Model Number: CEM
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)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 116: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

Item 116.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC limit \leq 1.4 ppm (by volume, dry, @ 15% O₂) 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: 1.4 parts per million by volume
(dry, corrected to 15% O₂)

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 117: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 117.1:

The Compliance Certification activity will be performed for:



Emission Unit: E-R0002
Process: NG4

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

Item 117.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC limit 19.66 lbs/ hr 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 118: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 118.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

Item 118.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC limit ≤ 5 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. VOCs are defined as total organic gases not including methane or ethane. The limit below is expressed as methane.

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Parameter Monitored: VOC

Upper Permit Limit: 5 parts per million by volume (dry,
corrected to 15% O₂)

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 119: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 119.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 119.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC limit 3.57 lbs/hr 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 120: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 120.1:

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 120.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The NOx limit 14.63 lbs/ hr shall apply (duct burner OFF) during steady state operations where the turbine operates for the full 60 minutes of the hour. The following limits shall apply during steady state partial hours (less than the full 60 minutes) of operation. NOx emission rate will be monitored with a CEMS.

Time period(min)	NOx Mass Limit(lbs)
1-15	3.66
16-30	7.32
31-45	10.97
46+	14.63

Emissions in excess of steady state limits for full 60 minute hours and steady state partial hours shall be reported quarterly through the facility's excess emissions report.

Manufacturer Name/Model Number: CEM
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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 121: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 121.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Item 121.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia \leq 5 ppm (by volume, dry, @ 15% O₂) limit applies (duct burner OFF) all times except during start up, shut down and fuel switching times. Ammonia emissions will be controlled through proper operation of the SCR.

Manufacturer Name/Model Number: Continuous Emissions Monitor

Parameter Monitored: AMMONIA

Upper Permit Limit: 5 parts per million by volume (dry, corrected to 15% O₂)

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 7/30/2009.

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

Condition 122: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 122.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 122.2:

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: 21.0 pounds per hour

Reference Test Method: RM 201/201a 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 123: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

Item 123.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia \leq 5 ppm (by volume, dry, @ 15% O₂) limit applies (duct burner OFF) all times except during start up, shut down and fuel switching times. Ammonia emissions will be controlled through proper operation of the SCR.

Manufacturer Name/Model Number: Continuous Emissions Monitor

Parameter Monitored: AMMONIA

Upper Permit Limit: 5 parts per million by volume (dry, corrected to 15% O₂)

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 7/30/2009.

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

Condition 124: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 124.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

Regulated Contaminant(s):



CAS No: 007664-41-7 AMMONIA

Item 124.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia limit 14 lbs/hr during natural gas firing in the combustion turbine (duct burner OFF) limit applies all times. 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 7/30/2009.

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

Condition 125: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 125.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 125.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia limit 21 lbs/hr during natural gas firing in the combustion turbine and heat recovery steam generator (duct burner on). This emission limit applies all times. 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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 126: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 126.1:

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 126.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO limit ≤ 2 ppm (by volume, dry, @ 15% O₂) shall apply
at all times except during periods of start-up or shut
down while burning natural gas(duct burner OFF) . CO
emission rate will be monitored with a CEMS.

Manufacturer Name/Model Number: Continuous Emission Monitor

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 2 parts per million by volume (dry,
corrected to 15% O₂)

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 7/30/2009.

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

Condition 127: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 127.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Process: NG4

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 127.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO limit 8.91 pounds per hour shall apply at all times except during periods of start-up or shut down (duct burner OFF) while burning natural gas. 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

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 128: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 128.1:

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 128.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO limit 27.46 pounds per hour shall apply at all times except during periods of start-up or shut down (duct burner ON) while burning natural gas. 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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 129: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 129.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

Item 129.2:

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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 130: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 130.1:

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: 000630-08-0 CARBON MONOXIDE

Item 130.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The CO limit ≤ 4 ppm (by volume < dry @ 15% O₂) applicable shall apply all times except during periods of start-up or shut down (duct burner ON) during natural gas burning. 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: 4 parts per million by volume (dry, corrected to 15% O₂)

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 7/30/2009.

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

Condition 131: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 131.1:

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 131.2:

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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 132: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 132.1:

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 132.2:

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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 133: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 133.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Item 133.2:

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 7/30/2009.

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

Condition 134: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 134.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Emission Source: HRSG1

Item 134.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Record and maintain records of daily fuel usage and 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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 135: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.7

Item 135.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Process: RO2

Item 135.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The maximum total heat input for the package boilers 110 through 119 is limited to 900 MMBtu/hr during oil firing.

Parameter Monitored: HEAT INPUT

Upper Permit Limit: 900 million Btu per hour

Monitoring Frequency: HOURLY

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 136: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 136.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Regulated Contaminant(s):

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

Item 136.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The NOx limit 12 lbs per shutdown period not exceeding sixty (60) minutes applies to combustion turbine (CT) generator (Unit 2) firing natural gas. The emissions in excess of this limit shall be reported in the excess emissions report. All records shall be maintained at the facility for at least five years.

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

Upper Permit Limit: 12 pounds

Reference Test Method: 40 CFR

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 137: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 137.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 137.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The CO limit 584 pounds per 2-hr start up period not exceeding two(2) hour applies to combustion turbine (CT) Generator (Unit 2) firing natural gas. The emissions in excess of this limit shall be reported in the excess emissions report. All records shall be maintained at the facility for at least five years.

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

Upper Permit Limit: 584 pounds

Reference Test Method: 40 CFR

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 138: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 138.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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

Item 138.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The NOx limit 200 pounds per 2-hr start up period not exceeding two(2) hour applies to combustion turbine (CT) generator(Unit 2) firing natural gas. The emissions in excess of this limit shall be reported in the excess emissions report. All records shall be maintained at the facility for at least five years.

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

Upper Permit Limit: 200 pounds

Reference Test Method: 40 CFR

Monitoring Frequency: QUARTERLY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 139: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 139.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

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

Item 139.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The CO limit 30 lbs per shutdown period not exceeding sixty(60) minutes applies to combustion turbine (CT) generator(Unit 2) firing natural gas. The emissions in excess of this limit shall be reported in the excess emissions report. All records shall be maintained at the facility for at least five years.

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Upper Permit Limit: 30 pounds
Reference Test Method: 40 CFR
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 140: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 140.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Item 140.2:

Compliance Certification 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 7/30/2009.

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

Condition 141: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 225-1.2 (d)

Item 141.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: 0EG

Emission Source: 00EG1

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Regulated Contaminant(s):

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

Item 141.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Consolidated Edison will utilize distillate fuel oil containing a maximum 0.2% sulfur by weight at the facility, unless permit restrictions impose additional sulfur limits on a unit-specific basis. Consolidated Edison will have its fuel oil supplier take sample of distillate oil from the supplier's bulk storage tank before each series of deliveries and test the sample for sulfur content.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 142: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement: 6 NYCRR 227-2.2

Item 142.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: 0EG

Emission Source: 00EG1

Regulated Contaminant(s):

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

Item 142.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Hours of operation will include emergencies and upto 52 hours per year for equipment reliability testing.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (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 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 143: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 227-2.4 (f) (4)

Item 143.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: 0EG

Emission Source: 00EG1

Item 143.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

The operational hours of the emergency generator engine must be limited to 500 hours per year. Facility must maintain on site records which demonstrate that the engine is operated less than 500 hours per year on a 12-month rolling basis for emergency purposes only. The 500 hours of annual operation for the engine include operation during emergency situations, routine maintenance, and equipment reliability testing.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500 hours

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 144: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 227.2 (b) (1)

Item 144.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: 0EG

Emission Source: 00EG1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Item 144.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

At the monitoring frequency stated below the facility shall perform the following:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this condition.
- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.
- 4) Facility shall keep records of all testing done at this stationary combustion installation for a period of 5 years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA RM 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 145: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 145.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3

Regulated Contaminant(s):

CAS No: 007704-34-9 SULFUR

Item 145.2:

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: 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 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 1/30/2010.

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

Condition 146: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 146.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 146.2:

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 7/30/2009.

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Condition 147: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 147.1:

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 147.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx limit 72.61 pounds per hour applies during distillate oil firing in the combustion turbine (duct burner off). This emission limit apply at all times. 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 7/30/2009.

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

Condition 148: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 148.1:

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 148.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NO_x <= 9 ppm (by volume, dry, @ 15% O₂) during distillate oil firing in the combustion turbine (duct burner off).

This emission limit apply at all times. NO_x emission rate will be monitored with a CEMs.

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

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 9 parts per million by volume (dry, corrected to 15% O₂)

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 7/30/2009.

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

Condition 149: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 149.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 149.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

VOC <= 2 ppm (by volume, dry, @ 15% O₂) 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: 2 parts per million by volume (dry,

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



corrected to 15% O₂)
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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 150: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement: 6 NYCRR 231-2.4

Item 150.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: FO3

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

Item 150.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

VOC limit 5.63 pounds per 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 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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 151: Compliance Certification



Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 151.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: FO3

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

Item 151.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Low sulfur (0.045% maximum by weight) distillate oil
shall fired in the combustion turbine.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR
Upper Permit Limit: 0.045 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 7/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 152: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 152.1:

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 152.2:

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 limit 19.66 lbs/hr during distillate oil firing in the combustion turbine (duct burner off). This emission limit apply at all times. 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 7/30/2009.

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

Condition 153: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 153.1:

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 153.2:

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 7/30/2009.

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



Condition 154: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 154.1:

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 154.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO <= 4 ppm (by volume< dry @ 15% o2) during distillate
oil firing in the combustion turbine (duct burner off).

This emission limit apply at all times. 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: 4 parts per billion by volume (dry,
corrected to 15% O2)

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 7/30/2009.

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

Condition 155: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 155.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: FO3

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

Item 155.2:

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:

Ammonia limit 15.0 lb/hr 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 7/30/2009.

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

Condition 156: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 156.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 156.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia \leq 5 ppm (by volume, dry, @ 15% O₂) 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: 5 parts per billion by volume (dry,
corrected to 15% O₂)

Reference Test Method: Method 7E

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 157: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 157.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: FO3

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

Item 157.2:

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.

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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 158: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 158.1:

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: FO3

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

Item 158.2:

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 7/30/2009.

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

Condition 159: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 159.1:

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 159.2:

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 7/30/2009.

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



Condition 160: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 160.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: FO3

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

Item 160.2:

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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 161: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 161.1:

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 161.2:

Compliance Certification shall include the following monitoring:

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

The NO_x limit 33.83 lbs/ hr shall apply (duct burner ON) during steady state operations where the turbine operates for the full 60 minutes of the hour. The following limits shall apply during steady state partial

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



hours(less than the full 60 minutes) of operation. NOx emission rate will be monitored with a CEMS.

Time period(min)	NOx Mass Limit(lbs)
1-15	8.45
16-30	16.92
31-45	25.37
46+	33.83

Emissions in excess of steady state limits for full 60 minute hours and steady state partial hours shall be reported quarterly through the facility's excess emissions report.

Manufacturer Name/Model Number: CEM
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)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 162: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 162.1:
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 162.2:
Compliance Certification shall include the following monitoring:

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

The NOx limit 14.63 lbs/ hr shall apply (duct burner OFF) during steady state operations where the turbine operates for the full 60 minutes of the hour. The following limits shall apply during steady state partial hours(less than the full 60 minutes) of operation. NOx emission rate will be monitored with a CEMS.

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Time period(min)	NOx Mass Limit(lbs)
1-15	3.66
16-30	7.32
31-45	10.97
46+	14.63

Emissions in excess of steady state limits for full 60 minute hours and steady state partial hours shall be reported quarterly through the facility's excess emissions report.

Manufacturer Name/Model Number: CEM
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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 163: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 163.1:

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 163.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The NOx limit ≤ 3 ppm (by volume, dry, @ 15% oxygen) shall be applicable during periods of steady state operation burning natural gas, with duct burner on, where facility operates the unit 16 or minutes consecutively in one clock hour. When the turbine operates in steady state less than 16 minutes (consecutively in one clock hour and excluding start-up or shut down) the 3 ppmvd limit does not apply. Emission in excess of the 3 ppmvd limit shall be reported quarterly through the facility's excess emissions report. NOx emissions shall be monitored with

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



a CEMS.

Manufacturer Name/Model Number: CEM

Upper Permit Limit: 3 parts per million by volume (dry,
corrected to 15% O₂)

Reference Test Method: Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 164: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 164.1:

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 164.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The NO_x limit ≤ 2 ppm (by volume, dry, @ 15% oxygen) shall be applicable during periods of steady state operation burning natural gas, with duct burner off, where facility operates the unit 16 or minutes consecutively in one clock hour. When the turbine operates in steady state less than 16 minutes (consecutively in one clock hour and excluding start-up or shut down) the 2 ppmvd limit does not apply. Emission in excess of the 2 ppmvd limit shall be reported quarterly through the facility's excess emissions report. NO_x emissions shall be monitored with a CEMS.

Manufacturer Name/Model Number: CEM

Upper Permit Limit: 2 parts per million by volume (dry,
corrected to 15% O₂)

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.

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



The initial report is due 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 165: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 165.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: NG3

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

Item 165.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC limit<= 1.4 ppm (by volume, dry, @ 15% O₂) 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: 1.4 parts per million by volume

(dry, corrected to 15% O₂)

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 166: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 166.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: NG3

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

Item 166.2:

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: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC limit 3.57 lbs/hr 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 167: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 167.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 167.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC limit 19.66 lbs/hr 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 168: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 168.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 168.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC limit \leq 5 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. 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: 5 parts per million by volume (dry, corrected to 15% O₂)

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 169: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 169.1:

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 169.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The CO limit ≤ 4 ppm (by volume < dry @ 15% O₂) shall apply at all times except during periods of start-up or shut down (duct burner ON) during natural gas burning. 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: 4 parts per million by volume (dry, corrected to 15% O₂)

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 7/30/2009.

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

Condition 170: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 170.1:

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 170.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO limit ≤ 2 ppm (by volume, dry, @ 15% O₂) shall apply at all times except during periods of start-up or shut down (duct burner OFF) while burning natural gas. CO emission rate will be monitored with a CEMS.

Manufacturer Name/Model Number: Continuous Emission Monitor

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 2 parts per million by volume (dry, corrected to 15% O₂)

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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 171: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 171.1:

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 171.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO limit 8.91 pounds per hour shall apply at all times
except during periods of start-up or shut down (duct
burner OFF) while burning natural gas. 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

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 172: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 172.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: NG3

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Item 172.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO limit 27.46 pounds per hour shall apply at all times except during periods of start-up or shut down a(duct burner ON) while burning natural gas. 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 7/30/2009.

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

Condition 173: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 173.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 173.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia limit 14 lbs/hr during natural gas firing in the combustion turbine (duct burner OFF) limit applies all times. 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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 174: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 174.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: NG3

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

Item 174.2:

Compliance Certification shall include the following monitoring:

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

Ammonia \leq 5 ppm (by volume, dry, @ 15% O₂) limit
applies (duct burner ON) all times except during start
up, shut down and fuel switching times. 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: 5 parts per million by volume (dry,
corrected to 15% O₂)

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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 175: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 175.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: NG3

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



CAS No: 007664-41-7 AMMONIA

Item 175.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia \leq 5 ppm (by volume, dry, @ 15% O₂) limit applies (duct burner OFF) all times except during start up, shut down and fuel switching times. 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: 5 parts per million by volume (dry, corrected to 15% O₂)

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 7/30/2009.

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

Condition 176: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 176.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 176.2:

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 201/201A 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 177: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 177.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: NG3

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

Item 177.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia limit 21 lbs/hr during natural gas firing in the combustion turbine and heat recovery steam generator (duct burner on). This emission limit applies all times. 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 7/30/2009.

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

Condition 178: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 178.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: NG3

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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

Item 178.2:

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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 179: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 179.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: NG3

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

Item 179.2:

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 7/30/2009.
Subsequent reports are due every 3 calendar month(s).

Condition 180: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 180.1:

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 180.2:

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 7/30/2009.

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

Condition 181: Compliance Certification
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 181.1:

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 181.2:

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:

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 7/30/2009.

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

Condition 182: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 182.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Emission Source: HRSG2

Item 182.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Record and maintain records of daily fuel usage and 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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

Condition 183: Compliance Certification

Effective between the dates of 05/12/2009 and 05/11/2014

Applicable Federal Requirement:6 NYCRR 212.6

Item 183.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0011

Item 183.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The vapor extractors operated and maintained to minimize the opacity of exhaust gases.

Monitoring Frequency: QUARTERLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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



STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

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

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

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

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

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

Condition 184: Contaminant List
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable State Requirement:ECL 19-0301

Item 184.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000630-08-0
Name: CARBON MONOXIDE



CAS No: 007440-41-7
Name: BERYLLIUM

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

CAS No: 007664-41-7
Name: AMMONIA

CAS No: 007704-34-9
Name: SULFUR

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

CAS No: 0NY075-00-0
Name: PARTICULATES

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

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

CAS No: 0NY998-00-0
Name: VOC

Condition 185: Unavoidable noncompliance and violations
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable State Requirement:6 NYCRR 201-1.4

Item 185.1:

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

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



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

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant 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 186: Air pollution prohibited
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable State Requirement:6 NYCRR 211.2

Item 186.1:

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

Condition 187: CO2 Budget Trading Program - Excess emission requirements
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable State Requirement:6 NYCRR 242-1.5

Item 187.1:

The owners and operators of a CO2 budget source that has excess emissions in any control period shall:

(1) forfeit the CO2 allowances required for deduction under 6 NYCRR Part 242-6.5(d)(1), provided CO2 offset allowances may not be used to cover any part of such excess emissions; and



(2) pay any fine, penalty, or assessment or comply with any other remedy imposed under 6 NYCRR Part 242-6.5(d)(2).

Condition 188: Compliance Demonstration
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable State Requirement: 6 NYCRR 242-1.5

Item 188.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 188.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators and, to the extent applicable, the CO₂ authorized account representative of each CO₂ budget source and each CO₂ budget unit at the source shall comply with the monitoring requirements of Subpart 242-8. The emissions measurements recorded and reported in accordance with Subpart 242-8 of this Part shall be used to determine compliance by the unit with the following CO₂ requirements:

(1) The owners and operators of each CO₂ budget source and each CO₂ budget unit at the source shall hold CO₂ allowances available for compliance deductions under Section 242-6.5, as of the CO₂ allowance transfer deadline, in the source's compliance account in an amount not less than the total CO₂ emissions for the control period from all CO₂ budget units at the source, as determined in accordance with Subparts 242-6 and 242-8.

(2) Each ton of CO₂ emitted in excess of the CO₂ budget emissions limitation shall constitute a separate violation of this Part and applicable state law.

(3) A CO₂ budget unit shall be subject to the requirements specified in item 1 starting on the later, of January 1, 2009 or the date on which the unit commences operation.

(4) CO₂ allowances shall be held in, deducted from, or transferred among CO₂ Allowance Tracking System accounts in accordance with Subparts 242-5, 242-6, and 242-7, and Section 242-10.7.

(5) A CO₂ allowance shall not be deducted, in order to comply with the requirements specified in item 1, for a control period that ends prior to the allocation year for



which the CO2 allowance was allocated. A CO2 offset allowance shall not be deducted, in order to comply with the requirements under item 1, beyond the applicable percent limitations set out in 6NYCRR Part 242-6.5(a)(3).

(6) A CO2 allowance under the CO2 Budget Trading Program is a limited authorization by the Department or a participating state to emit one ton of CO2 in accordance with the CO2 Budget Trading Program. No provision of the CO2 Budget Trading Program, the CO2 budget permit application, or the CO2 budget permit or any provision of law shall be construed to limit the authority of the Department or a participating state to terminate or limit such authorization.

(7) A CO2 allowance under the CO2 Budget Trading Program does not constitute a property right.

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 7/30/2009.

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

Condition 189: Compliance Demonstration
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable State Requirement: 6 NYCRR 242-1.5

Item 189.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 189.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators of the CO2 budget source and each CO2 budget unit at the source shall keep on site at the source each of the following documents for a period of 10 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 10 years, in writing by the department.

(i) The account certificate of representation for the CO2 authorized account representative for the source and each CO2 budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 6 NYCRR Part 242-2.4, provided that the certificate and documents

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



shall be retained on site at the source beyond such 10-year period until such documents are superseded because of the submission of a new account certificate of representation.

(ii) All emissions monitoring information, in accordance with Subpart 242-8 and 40 CFR 75.57.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CO2 Budget Trading Program.

(iv) Copies of all documents used to complete a CO2 budget permit application and any other submission under the CO2 Budget Trading Program or to demonstrate compliance with the requirements of the CO2 Budget Trading Program.

The CO2 authorized account representative of a CO2 budget source and each CO2 budget unit at the source shall submit the reports and compliance certifications required under the CO2 Budget Trading Program, including those under Subpart 242-4.

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 7/30/2009.

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

**** Emission Unit Level ****

Condition 190: Compliance Demonstration
Effective between the dates of 05/12/2009 and 05/11/2014

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

Item 190.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: E-R0002

Process: RO2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 190.2:

Compliance Demonstration 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:

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 17/Method 5

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 7/30/2009.

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

Condition 191: Compliance Demonstration
Effective between the dates of 05/12/2009 and 05/11/2014

Applicable State Requirement:6 NYCRR 227-1.2 (a) (2)

Item 191.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: E-R0002

Process: RO2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 191.2:

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/Method 5

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

