



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6206-00012/00016
Effective Date: 11/17/2014 Expiration Date: 11/16/2019

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 E 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, five (5) 180 MMBtu/hr boilers each when firing residual oil (192 MMBtu/hr each when firing natural gas) and two (2) truncated combined cycle combustion turbine units (2054 MMBtu/hr) with heat recovery steam generators (1332 MMBtu/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 - REGION 2
 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 exercise all available authority 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 E 14TH ST
NEW YORK, NY 10009

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

Permit Effective Date: 11/17/2014

Permit Expiration Date: 11/16/2019



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 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 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR Subpart 201-6: Compliance Certification
- 23 6 NYCRR Subpart 201-6: Compliance Certification
- 24 6 NYCRR Subpart 201-6: Compliance Certification
- 25 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 26 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- *27 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *28 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 29 6 NYCRR 202-1.2: Notification
- 30 6 NYCRR 207.3 (d): Compliance Certification
- 31 6 NYCRR 211.1: Air pollution prohibited
- 32 6 NYCRR 225-1.2 (d): Compliance Certification
- 33 6 NYCRR 225-1.2 (g): Compliance Certification
- 34 6 NYCRR 225-1.2 (h): Compliance Certification
- 35 6 NYCRR 225-1.5 (c): Compliance Certification
- 36 6 NYCRR 225-1.6 (f): Compliance Certification
- 37 6 NYCRR 225.7 (a): Compliance Certification
- 38 6 NYCRR 227-1.3: Compliance Certification
- 39 6 NYCRR 227-2.4 (e) (3): Compliance Certification
- 40 6 NYCRR 227-2.5 (b): Compliance Certification
- 41 6 NYCRR 227-2.6 (b): Compliance Certification
- 42 6 NYCRR 231-2.4: Emission offset requirements
- 43 6 NYCRR 231-2.4: Emission offset requirements



- 44 6 NYCRR 231-2.4: Emission offset requirements - VOC
 - 45 6 NYCRR 231-2.4: Compliance Certification
 - 46 6 NYCRR 231-2.4: Compliance Certification
 - 47 6 NYCRR 231-2.4: Compliance Certification
 - 48 6 NYCRR 243-1.6 (a): Permit Requirements
 - 49 6 NYCRR 243-1.6 (d): Excess emission requirements
 - 50 6 NYCRR 243-2.1: Authorization and responsibilities of CAIR designated representative
 - 51 6 NYCRR 243-8.1: General requirements
 - 52 6 NYCRR 243-8.1: Prohibitions
 - 53 6 NYCRR 243-8.3: Out of control periods
 - 54 6 NYCRR 243-8.5 (d): Quarterly reports
 - 55 6 NYCRR Subpart 244-1: CAIR General and Permit Requirements
 - 56 6 NYCRR Subpart 244-2: Designated CAIR Representative
 - 57 6 NYCRR Subpart 244-8: Compliance Certification
 - 58 6 NYCRR Subpart 245-1: CAIR General and Permit Requirements
 - 59 6 NYCRR Subpart 245-2: Designated CAIR Representative
 - 60 6 NYCRR Subpart 245-8: Monitoring and Reporting SO2 Emissions
 - 61 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
 - 62 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
 - 63 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
 - 64 40CFR 60.12, NSPS Subpart A: Circumvention.
 - 65 40CFR 60, NSPS Subpart IIII: Applicability
 - 66 40CFR 60, NSPS Subpart IIII: Compliance and Enforcement
 - 67 40CFR 63, Subpart JJJJJ: Applicability
 - 68 40CFR 63, Subpart JJJJJ: Compliance and Enforcement
 - 69 40CFR 63, Subpart ZZZZ: Engines at Area sources of HAP
- Emission Unit Level**
- 70 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 - 71 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=E-R0001

- 72 6 NYCRR Subpart 201-6: Compliance Certification
- 73 6 NYCRR 227-1.3: Compliance Certification
- 74 6 NYCRR 227-2.5 (a): Compliance Certification
- 75 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations and Permitting

EU=E-R0001,Proc=RO1

- 76 6 NYCRR 227-1.2 (a) (1): Compliance Certification

EU=E-R0002

- 77 6 NYCRR Subpart 201-6: Compliance Certification
- 78 6 NYCRR Subpart 201-6: Compliance Certification
- 79 6 NYCRR Subpart 201-6: Compliance Certification
- 80 6 NYCRR Subpart 201-6: Compliance Certification
- 81 6 NYCRR Subpart 201-6: Compliance Certification
- 82 6 NYCRR 227-1.3: Compliance Certification
- 83 6 NYCRR 227-2.5 (a): Compliance Certification

EU=E-R0002,Proc=FO1

- 84 6 NYCRR 227-1.3 (a): Compliance Certification



- 85 6 NYCRR 231-2.4: Compliance Certification
- 86 6 NYCRR 231-2.4: Compliance Certification
- 87 6 NYCRR 231-2.4: Compliance Certification
- 88 6 NYCRR 231-2.4: Compliance Certification
- 89 40CFR 52.21(j), Subpart A: Compliance Certification
- 90 40CFR 52.21(j), Subpart A: Compliance Certification
- 91 40CFR 52.21(j), Subpart A: Compliance Certification
- 92 40CFR 52.21(j), Subpart A: Compliance Certification
- 93 40CFR 52.21(j), Subpart A: Compliance Certification
- 94 40CFR 52.21(j), Subpart A: Compliance Certification
- 95 40CFR 52.21(j), Subpart A: Compliance Certification
- 96 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 97 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 98 40CFR 75.11(d), Subpart B: Compliance Certification

EU=E-R0002,Proc=NG2

- 99 6 NYCRR 231-2.7: Compliance Certification

EU=E-R0002,Proc=NG4

- 100 6 NYCRR 231-2.4: Compliance Certification
- 101 6 NYCRR 231-2.4: Compliance Certification
- 102 6 NYCRR 231-2.4: Compliance Certification
- 103 6 NYCRR 231-2.4: Compliance Certification
- 104 6 NYCRR 231-2.4: Compliance Certification
- 105 6 NYCRR 231-2.4: Compliance Certification
- 106 6 NYCRR 231-2.4: Compliance Certification
- 107 6 NYCRR 231-2.4: Compliance Certification
- 108 40CFR 52.21(j), Subpart A: Compliance Certification
- 109 40CFR 52.21(j), Subpart A: Compliance Certification
- 110 40CFR 52.21(j), Subpart A: Compliance Certification
- 111 40CFR 52.21(j), Subpart A: Compliance Certification
- 112 40CFR 52.21(j), Subpart A: Compliance Certification
- 113 40CFR 52.21(j), Subpart A: Compliance Certification
- 114 40CFR 52.21(j), Subpart A: Compliance Certification
- 115 40CFR 52.21(j), Subpart A: Compliance Certification
- 116 40CFR 52.21(j), Subpart A: Compliance Certification
- 117 40CFR 52.21(j), Subpart A: Compliance Certification
- 118 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 119 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 120 40CFR 75.11(d), Subpart B: Compliance Certification

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

- 121 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification

EU=E-R0002,Proc=RO2

- 122 6 NYCRR 231-2.7: Compliance Certification

EU=E-R0003

- 123 6 NYCRR Subpart 201-6: Compliance Certification
- 124 6 NYCRR Subpart 201-6: Compliance Certification
- 125 6 NYCRR Subpart 201-6: Compliance Certification
- 126 6 NYCRR Subpart 201-6: Compliance Certification



127 6 NYCRR Subpart 201-6: Compliance Certification

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

128 6 NYCRR 227.2 (b) (1): Compliance Certification

EU=E-R0003,Proc=FO3

- 129 6 NYCRR 227-1.3 (a): Compliance Certification
- 130 6 NYCRR 231-2.4: Compliance Certification
- 131 6 NYCRR 231-2.4: Compliance Certification
- 132 6 NYCRR 231-2.4: Compliance Certification
- 133 6 NYCRR 231-2.4: Compliance Certification
- 134 40CFR 52.21(j), Subpart A: Compliance Certification
- 135 40CFR 52.21(j), Subpart A: Compliance Certification
- 136 40CFR 52.21(j), Subpart A: Compliance Certification
- 137 40CFR 52.21(j), Subpart A: Compliance Certification
- 138 40CFR 52.21(j), Subpart A: Compliance Certification
- 139 40CFR 52.21(j), Subpart A: Compliance Certification
- 140 40CFR 52.21(j), Subpart A: Compliance Certification
- 141 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 142 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 143 40CFR 75.11(d), Subpart B: Compliance Certification

EU=E-R0003,Proc=NG3

- 144 6 NYCRR 231-2.4: Compliance Certification
- 145 6 NYCRR 231-2.4: Compliance Certification
- 146 6 NYCRR 231-2.4: 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 6 NYCRR 231-2.4: 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 52.21(j), Subpart A: Compliance Certification
- 159 40CFR 52.21(j), Subpart A: Compliance Certification
- 160 40CFR 52.21(j), Subpart A: Compliance Certification
- 161 40CFR 52.21(j), Subpart A: Compliance Certification
- 162 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 163 40CFR 60.334(h), NSPS Subpart GG: Compliance Certification
- 164 40CFR 75.11(d), Subpart B: Compliance Certification

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

165 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification

EU=E-R0011

166 6 NYCRR 212.6: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS



Facility Level

- 167 ECL 19-0301: Contaminant List
- 168 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 169 6 NYCRR 211.2: Visible Emissions Limited
- 170 6 NYCRR 242-1.5: CO2 Budget Trading Program - Excess emission requirements
- 171 6 NYCRR 242-1.5: Compliance Demonstration
- 172 6 NYCRR 242-1.5: Compliance Demonstration

Emission Unit Level

EU=E-R0002,Proc=RO2

- 173 6 NYCRR 227-1.2 (a) (1): Compliance Demonstration

NOTE: * preceding the condition number indicates capping.



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, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department 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 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 and maintained;

(3) During the period of the emergency the facility owner 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 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 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 201-6.2 (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 201-6.2 (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 201-6.4 (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 201-6.4 (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 201-6.4 (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 201-6.4 (a) (6)

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



Item I: Severability - 6 NYCRR 201-6.4 (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 201-6.4 (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 201-6.4 (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 11/17/2014 and 11/16/2019

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 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 201-6.4 (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 72-0303.

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 201-6.4 (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 201-6.2 of Part 201.

**Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 11/17/2014 and 11/16/2019**

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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 11/17/2014 and 11/16/2019**

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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 201-6.2(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 may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 6: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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 record keeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

- iii. Compliance certifications shall be submitted



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

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
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 1/30/2015.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement: 6 NYCRR 202-2.1

Item 7.1:

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements
Effective between the dates of 11/17/2014 and 11/16/2019**

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

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

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

**Condition 9: Open Fires - Prohibitions
Effective between the dates of 11/17/2014 and 11/16/2019**

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is



- used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
 - (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
 - (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
 - (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
 - (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
 - (i) Prescribed burns performed according to Part 194 of this Title.
 - (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
 - (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
 - (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

**Condition 10: Maintenance of Equipment
Effective between the dates of 11/17/2014 and 11/16/2019**

Applicable Federal Requirement: 6 NYCRR 200.7

Item 10.1:

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



Condition 11: Recycling and Salvage
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, the owner or operator of 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 11/17/2014 and 11/16/2019

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 11/17/2014 and 11/16/2019

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

Item 13.1:

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 14.1:

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 15: Requirement to Provide Information
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)

Item 15.1:

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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

Condition 16: Right to Inspect
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 16.1:

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

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

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

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

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Off Permit Changes
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (6)

Item 17.1:

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



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

Condition 21: Emission Unit Definition
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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 21.2:

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

Emission Unit: E-R0002

Emission Unit Description:

Large boilers 115 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 115 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.

Boilers 110, 111, 112, 113 and 114 are no longer operational. These boilers had been decommissioned out of service.

Building(s): BOILERHS

Item 21.3:

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Item 21.4:

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 22: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1:

The Compliance Certification activity will be performed for the Facility.

Item 22.2:

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 23: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:

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 23.2:

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:

Each combustion turbine start up period shall not exceed more than two hours when firing natural gas. Facility shall maintain a record of each occurrence of start up details with time duration. All records shall be maintained at the facility for at least five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 24: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 24.1:

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 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each combustion turbine shut down period shall not exceed more than sixty(60) minutes when firing natural gas. Facility shall maintain a record of each occurrence of shut down details with time duration. All records shall be maintained at the facility for at least five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 25: Progress Reports Due Semiannually
Effective between the dates of 11/17/2014 and 11/16/2019



Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)

Item 25.1:

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

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

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

**Condition 26: Facility Permissible Emissions
Effective between the dates of 11/17/2014 and 11/16/2019**

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 26.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY100-00-0

PTE: 49,999 pounds per year

Name: TOTAL HAP

**Condition 27: Capping Monitoring Condition
Effective between the dates of 11/17/2014 and 11/16/2019**

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 27.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR Part 63, Subpart DDDDD

Item 27.2:

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

Item 27.3:

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Item 27.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 27.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 27.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 27.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility wide total emissions of individual Hazardous Air Pollutant (HAP) are limited to 9.9 tons per year

Facility must maintain records demonstrating compliance with this limit on site, and must be available upon request.

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 1/30/2015.

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

Condition 28: Capping Monitoring Condition
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 28.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR Part 63, Subpart DDDDD

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Item 28.2:

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

Item 28.3:

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

Item 28.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 28.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 28.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 28.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide total emissions of aggregate HAPs are limited 24.9 tons per year.

Facility must maintain records demonstrating compliance with this limit on site, and must be available upon request.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MINIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 29: Notification



Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 202-1.2

Item 29.1:

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 30: Compliance Certification

Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 207.3 (d)

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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 31: Air pollution prohibited

Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 211.1

Item 31.1:

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 32: Compliance Certification



Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires residual oil are limited to the firing of residual oil with a sulfur content of 0.30% sulfur.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

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

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.30 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 33: Compliance Certification

Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion



installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 34: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit

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these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 35: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 225-1.5 (c)

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Measurements must be made daily of the rate of each fuel fired. The gross heat content and ash content of each fuel fired must be determined at least once each week. In the case of stationary combustion installations producing electricity for sale, the average electrical output and the hourly generation rate must also be measured.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 36: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 225-1.6 (f)

Item 36.1:



The Compliance Certification activity will be performed for the Facility.

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility owners subject to this Subpart must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable equivalent emission rate, and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedance takes place.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 37: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement: 6 NYCRR 225.7 (a)

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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



Monitoring Frequency: PER DELIVERY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 38: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement: 6 NYCRR 227-1.3

Item 38.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 38.2:

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, Maintenance, EH&S and technical 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. Training of newly positioned control room operator continues on an on-going basis. 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 39: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Units: CT001, CT002, HRSG1 and HRSG2.

Combined cycle combustion units are also subject to 6 Part 231-4, in addition to 6 Part 227-2 NOx RACT. These units were installed in the year 2005, as meeting the criteria for NOx lowest achievable emission rate (LAER) under ozone new source review. Con Edison submitted a NOx RACT analysis dated December 2011 and a RACT demonstration was provided for operation after July 1, 2014. These units currently utilize the state of the art NOx control technology for this type, and determined, there are no more effective available NOx control technologies. The existing limits are proposed as RACT for these units and are specified in this permit under condition for 6 NYCRR Part 231-4.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 40: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to for Boilers 60 and 70 (Emission Unit E-R0001) and Boilers 115 through 119 (Emission Unit E-R0002) at this facility.

Effective until June 30, 2014, Con Edison's will comply with NOx RACT through system-wide averaging plan (including the boilers listed above) in accordance with the most current version of the NOx RACT Compliance Plan and the NOx RACT Operating Plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 41: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 41.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 42: Emission offset requirements
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 42.1:

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

Table with 2 columns: Facility Name, DEC ID. Rows include 59th Street Station (25.04 ERCs) and Waterside Generating Station (84.32 ERCs).

Condition 43: Emission offset requirements
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 43.1:

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

Table with 2 columns: Facility Name, DEC ID. Row includes Waterside Generating Station (193.02 ERCs).

Condition 44: Emission offset requirements - VOC
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

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Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Item 44.1:

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

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

Condition 45: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 45.1:

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 45.2:

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.

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The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 46: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement: 6 NYCRR 231-2.4

Item 46.1:

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: OEG	Emission Source: OEG1
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 46.2:

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 OEG1 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

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Facility DEC ID: 2620600012



Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 47: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 47.1:

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: 0NY075-00-5 PM-10

Item 47.2:

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 48: Permit Requirements
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 48.1:

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 NO_x 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 49: Excess emission requirements
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 49.1:

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

(1) the owners and operators of the source and each CAIR NO_x Ozone Season unit at the source shall surrender the CAIR NO_x 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 50: Authorization and responsibilities of CAIR designated representative
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 243-2.1

Item 50.1:

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

The CAIR designated representative of the CAIR NO_x Ozone Season source shall be selected by an agreement binding on the owners and operators of the source and all CAIR NO_x 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 NO_x Ozone Season source represented and each CAIR NO_x Ozone Season unit at the source in all matters pertaining to the CAIR NO_x 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 NO_x



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 51: General requirements
Effective between the dates of 11/17/2014 and 11/16/2019**

Applicable Federal Requirement: 6 NYCRR 243-8.1

Item 51.1:

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 243-8.1(a)(1); and
- (3) record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.



Condition 52: Prohibitions
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 243-8.1

Item 52.1:

No owner or operator of a CAIR NO_x 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 NO_x Ozone Season unit shall operate the unit so as to discharge, or allow to be discharged, NO_x emissions to the atmosphere without accounting for all such emissions in accordance with the applicable provisions of this Subpart and 40 CFR Part 75.

No owner or operator of a CAIR NO_x 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 NO_x 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 53: Out of control periods
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 243-8.3

Item 53.1:

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 54: Quarterly reports
Effective between the dates of 11/17/2014 and 11/16/2019

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



Item 54.1:

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 55: CAIR General and Permit Requirements
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement: 6 NYCRR Subpart 244-1

Item 55.1:

(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



6NYCRR 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 6NYCRR 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 6NYCRR Part 244-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 6NYCRR Part 244-8, provided that to the extent that 6NYCRR 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 NO_x Annual Trading Program.

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

Condition 56: Designated CAIR Representative
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 244-2

Item 56.1:

(1) Each CAIR NO_x 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 NO_x 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 NO_x source represented in all matters pertaining to the CAIR NO_x 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 NO_x Annual Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR NO_x 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 57: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement: 6 NYCRR Subpart 244-8

Item 57.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 57.2:

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 NO_x units that are also subject to an Acid Rain emissions limitation or the CAIR NO_x 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 NO_x 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 NOx 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 58: CAIR General and Permit Requirements
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement: 6 NYCRR Subpart 245-1

Item 58.1:

(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 59: Designated CAIR Representative
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 245-2

Item 59.1:

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 60: Monitoring and Reporting SO₂ Emissions
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement: 6 NYCRR Subpart 245-8

Item 60.1:

(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

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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 61: EPA Region 2 address.
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 61.1:

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

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

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

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

Condition 62: Recordkeeping requirements.
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 62.1:

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

Condition 63: Facility files for subject sources.
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 63.1:

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

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for inspections. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 64: Circumvention.
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 64.1:

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 65: Applicability
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

Item 65.1:

Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart IIII.

Condition 66: Compliance and Enforcement
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

Item 66.1:

The Department has not accepted delegation of 40 CFR Part 60 Subpart IIII. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 60 Subpart IIII during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

Condition 67: Applicability
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:40CFR 63, Subpart JJJJJJ

Item 67.1:

Facilities that are area sources of HAP with industrial, commercial, or institutional boilers must comply with applicable portions of 40 CFR 63 JJJJJJ.

Condition 68: Compliance and Enforcement
Effective between the dates of 11/17/2014 and 11/16/2019



Applicable Federal Requirement:40CFR 63, Subpart JJJJJJ

Item 68.1:

The Department has not accepted delegation of 40 CFR Part 63 Subpart JJJJJJ. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 63 Subpart JJJJJJ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

**Condition 69: Engines at Area sources of HAP
Effective between the dates of 11/17/2014 and 11/16/2019**

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 69.1:

Internal combustion engines, constructed or re-constructed on or after June 12, 2006, that meet the requirements of 40 CFR 60 Subpart IIII or Subpart JJJJ meet the requirements of 40 CFR 63 Subpart ZZZZ.

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

**Condition 70: Emission Point Definition By Emission Unit
Effective between the dates of 11/17/2014 and 11/16/2019**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 70.1:

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 70.2:

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

Emission Unit: E-R0002

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Facility DEC ID: 2620600012



Emission Point: 00001
Height (ft.): 370 Diameter (in.): 258
NYTMN (km.): 4509.01 NYTME (km.): 586.764 Building: PKBOILER

Item 70.3:

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 70.4:

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

Emission Unit: E-R0011

Emission Point: VE060
Height (ft.): 129 Diameter (in.): 4
NYTMN (km.): 4509.032 NYTME (km.): 586.749 Building: BOILERHS

Emission Point: VE070
Height (ft.): 129 Diameter (in.): 4
NYTMN (km.): 4509.032 NYTME (km.): 586.749 Building: BOILERHS

Condition 71: Process Definition By Emission Unit
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 71.1:

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 71.2:

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 71.3:

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 71.4:

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: five (5) package boilers (Nos. 115 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: 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 71.5:

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 NOx burners and SCR 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: 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 71.6:

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: five (5) package boilers (Nos. 115 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: 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 71.7:

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

Emission Unit: E-R0003
Process: 0EG 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 71.8:

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 71.9:

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 71.10:

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 72: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0001

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 73: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0001

Item 73.2:

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;

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(4) The total time in which the COMS are required to record data during the reporting period;

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

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60 APP B RM 9
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0001

Regulated Contaminant(s):

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

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The condition becomes effective from July 1, 2014;
Condition applies to two Very Large Boilers 60 and 70
capable of burning residual oil and natural gas.

Each boiler will comply with the NOX RACT limit of 0.15
lbs/MMBtu by opting fuel switching. These boilers shall
burn natural gas between May 1 and September 30 of each
year except as follows:

- A. When oil firing meets the presumptive NOX RACT
limit on a 24-hour average; or
- B. In such situations when gas is unavailable or
interrupted. Specific examples include but not limited to
the following:
 - 1. failure of natural gas distribution system and/or
transmission system;
 - 2. natural disaster;
 - 3. gas equipment failure or low natural gas supply



pressure at the station;

4. boiler testing (e.g., emissions stack testing which cannot be performed during non ozone season, demonstrate reliability and functionality of oil firing equipment, maximum load testing or agency mandated testing);

5. minimum oil firing requirements (e.g. electric units); or

6. natural gas supply curtailments.

Compliance with the presumptive NOX RACT emission limit of 0.15 lbs/MMBtu shall be demonstrated on an annual average basis.

The facility will use continuous emission monitoring system to monitor NOX emissions.

Facility must explain reasons and duration for firing oil during ozone season in the corresponding quarterly reports.

All records shall be kept at the facility to demonstrate compliance

Reference Test Method: 40 CFR 60 Appendix A Method 19

Monitoring Frequency: CONTINUOUS

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 75: Facility Subject to Title IV Acid Rain Regulations and Permitting

Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:40 CFR Part 72

Item 75.1:

This Condition applies to Emission Unit: E-R0001

Item 75.2:

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 76: Compliance Certification

Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0001

Process: RO1



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

Item 76.2:

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 77: Compliance Certification

Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Item 77.2:

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 1/30/2015.

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



Condition 78: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Regulated Contaminant(s):

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

Item 78.2:

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 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 7E

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 1/30/2015.

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

Condition 79: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 79.2:

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 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 10

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 1/30/2015.

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

Condition 80: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Regulated Contaminant(s):

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

Item 80.2:

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 7E

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 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 81: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

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

Item 81.2:

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 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 10

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 1/30/2015.

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

Condition 82: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Item 82.2:

Compliance Certification shall include the following monitoring:



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

Stack opacity shall not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this standard may be determined by EPA Reference Method 9, Continuous Opacity Monitoring System (COMS) data, and/or any other credible evidence. The owner shall install, operate in accordance with manufacturer's instructions, and properly maintain, a COMS in the stack satisfying the criteria in Appendix B of 40 CFR part 60.

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

- (1) The magnitude, date and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;
- (2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- (3) Identification of all periods of COMS downtime, including the date, time and duration of each inoperable period, and the cause and corrective action for each COMS downtime period;
- (4) The total time in which the COMS are required to record data during the reporting period;
- (5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time which the COMS are required to record data.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60 APP B RM 9
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.



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

Condition 83: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Regulated Contaminant(s):

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

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The condition becomes effective from July 1, 2014;
Condition applies to five Large Boilers 115, 116, 117,
118, and 119 capable of burning residual oil and natural
gas.

These five boilers will comply with the NOX RACT limit of
0.15 lbs/MMBtu by opting fuel switching. These boilers
shall burn natural gas between May 1 and September 30 of
each year except as follows:

- A. When oil firing meets the presumptive NOX RACT
limit on a 24-hour average; or
- B. In such situations when gas is unavailable or
interrupted. Specific examples include but not limited to
the following:
 - 1. failure of natural gas distribution system and/or
transmission system;
 - 2. natural disaster;
 - 3. gas equipment failure or low natural gas supply
pressure at the station;
 - 4. boiler testing (e.g., emissions stack testing
which cannot be performed during non ozone season,
demonstrate reliability and functionality of oil firing
equipment, maximum load testing or agency mandated
testing);
 - 5. minimum oil firing requirements (e.g. electric
units); or
 - 6. natural gas supply curtailments.

Compliance with the presumptive NOX RACT emission limit of
0.15 lbs/MMBtu shall be demonstrated on an annual
average basis.

The facility will use continuous emission monitoring
system to monitor NOX emissions.

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Facility must explain reasons and duration for firing oil during ozone season in the corresponding quarterly reports.

All records shall be kept at the facility to demonstrate compliance

Reference Test Method: 40 CFR 60 Appendix A Method 19

Monitoring Frequency: CONTINUOUS

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 84: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 84.2:

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 1/30/2015.

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

Condition 85: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Applicable Federal Requirement:6 NYCRR 231-2.4

Item 85.1:

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 85.2:

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.

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 1/30/2015.

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

Condition 86: Compliance Certification

Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 86.1:

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 86.2:

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



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 1/30/2015.

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

Condition 87: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

VOC limit 5.63 lbs/hr 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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 88: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: FO1

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

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

VOC \leq 2 ppm (by volume, dry, @ 15% 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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 89: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

CAS No: 007704-34-9 SULFUR

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Low sulfur (0.045% maximum by weight till June 30, 2016) distillate oil shall be fired in the combustion turbine.

(Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016.

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 1/30/2015.

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

Condition 90: Compliance Certification

Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 90.1:

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 90.2:

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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Upper Permit Limit: 16 hours

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 91: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 91.2:

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 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 90 days after the reporting period.
The initial report is due 3/31/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 92: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 92.1:

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 92.2:

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 million by volume (dry,
corrected to 15% O2)

Reference Test Method: Method 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 93: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 93.1:

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 93.2:

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 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 94: Compliance Certification

Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: FO1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 94.2:

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 67.0 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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Upper Permit Limit: 67 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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 95: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: FO1

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

Item 95.2:

Compliance Certification shall include the following monitoring:

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 1/30/2015.

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

Condition 96: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 96.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Emission Unit: E-R0002
Process: FO1

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

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 97: Compliance Certification

Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 97.1:

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 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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



Condition 98: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 98.1:

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 98.2:

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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 99: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.7

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG2

Item 99.2:

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 115 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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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 1/30/2015.

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

Condition 100: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement: 6 NYCRR 231-2.4

Item 100.1:

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 100.2:

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 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. NOx 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 1/30/2015.

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

Condition 101: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019



Applicable Federal Requirement:6 NYCRR 231-2.4

Item 101.1:

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 101.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The NOx 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 1/30/2015.

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

Condition 102: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 102.1:

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Item 102.2:

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.

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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 103: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 103.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

Item 103.2:

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: 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 104: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement: 6 NYCRR 231-2.4

Item 104.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 104.2:

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 105: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 105.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

Item 105.2:

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.

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 106: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

Item 106.2:

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: 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 107: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 107.1:

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 107.2:

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 108: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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: NG4

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

Item 108.2:

Compliance Certification shall include the following monitoring:

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

Ammonia \leq 5 ppm (by volume, dry, @ 15% 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 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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 109: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019



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

Item 109.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

Item 109.2:

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
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 110: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

Item 110.2:

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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 111: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 111.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

Item 111.2:

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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 112: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019



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

Item 112.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

Item 112.2:

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

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 1/30/2015.

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

Condition 113: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 113.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

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



CO limit \leq 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 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 114: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 114.1:

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 114.2:

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 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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 115: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 115.1:

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 115.2:

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

Upper Permit Limit: 27.46 pounds per hour

Reference Test Method: Method 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 116: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

CAS No: 007440-41-7 BERYLLIUM

Item 116.2:

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 1/30/2015.

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

Condition 117: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 117.1:

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 117.2:

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 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 118: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 118.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

Item 118.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 119: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 119.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-R0002
Process: NG4

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

Item 119.2:
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 sulfur and nitrogen content of fuels as per current requirements of 40 CFR 60.334(b)(2), NSPS Subpart GG.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 120: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 120.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 120.2:

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 1/30/2015.

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

Condition 121: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 121.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: NG4

Emission Source: HRSG1

Item 121.2:

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:

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 1/30/2015.

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

Condition 122: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.7

Item 122.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0002

Process: RO2

Item 122.2:

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 115 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 1/30/2015.

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

Condition 123: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Regulated Contaminant(s):

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

Item 123.2:

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 7E

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 1/30/2015.

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

Condition 124: Compliance Certification

Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 124.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 124.2:

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)

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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 10

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 1/30/2015.

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

Condition 125: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 125.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Regulated Contaminant(s):

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

Item 125.2:

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 7E

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 1/30/2015.

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



Condition 126: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 126.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

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:

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)

Upper Permit Limit: 30 pounds

Reference Test Method: 40 CFR 10

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 1/30/2015.

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

Condition 127: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 127.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Item 127.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



During any period, each HRSG's duct burners shall be allowed to burn fuel at the maximum rated capacity, 26,664 million BTU per day on a block 24 hour basis (Midnight to midnight).

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL

Upper Permit Limit: 26,664 million BTU per day

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR MAXIMUM

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 128: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 128.1:

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

Item 128.2:

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 129: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 129.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: FO3

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

Item 129.2:

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 1/30/2015.

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

Condition 130: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019



Applicable Federal Requirement:6 NYCRR 231-2.4

Item 130.1:

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 130.2:

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 1/30/2015.

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

Condition 131: Compliance Certification

Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 131.1:

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 131.2:

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



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: 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 1/30/2015.

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

Condition 132: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 132.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 132.2:

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,
corrected to 15% O₂)

Reference Test Method: Methods 18 and 25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 133: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 133.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: FO3

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

Item 133.2:

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 1/30/2015.

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

Condition 134: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Item 134.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3

Regulated Contaminant(s):

CAS No: 007704-34-9 SULFUR

Item 134.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Low sulfur (0.045% maximum by weight till June 30, 2016) distillate oil shall be fired in the combustion turbine. (Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016.

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 1/30/2015.

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

Condition 135: Compliance Certification

Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 135.1:

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 135.2:

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 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 136: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 136.1:

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 136.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Upper Permit Limit: 16 hours

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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



Condition 137: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 137.1:

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 137.2:

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 million by volume (dry,
corrected to 15% O2)

Reference Test Method: Method 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 138: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 138.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: FO3

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

Item 138.2:

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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 1/30/2015.

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

Condition 139: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 139.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: FO3

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 139.2:

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 million by volume (dry,
corrected to 15% O₂)

Reference Test Method: Method 7E

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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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 140: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 140.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: FO3

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

Item 140.2:

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 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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 141: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 141.1:

The Compliance Certification activity will be performed for:

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Facility DEC ID: 2620600012



Emission Unit: E-R0003
Process: FO3

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

Item 141.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 142: Compliance Certification

Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 142.1:

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 142.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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



Condition 143: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 143.1:

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 143.2:

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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 144: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 144.1:

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 144.2:

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

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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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 145: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 145.1:

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 145.2:

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.

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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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 146: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 146.1:

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 146.2:

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

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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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 147: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement: 6 NYCRR 231-2.4

Item 147.1:

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 147.2:

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.

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Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



The initial report is due 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 148: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 148.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: NG3

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

Item 148.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC 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 149: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 149.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: NG3

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

Item 149.2:

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Permit ID: 2-6206-00012/00016

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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 150: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 150.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 150.2:

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 151: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 151.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: NG3

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

Item 151.2:

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 152: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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: NG3

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

Item 152.2:

Compliance Certification shall include the following monitoring:

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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 1/30/2015.

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

Condition 153: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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: NG3

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 153.2:

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.

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



The initial report is due 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 154: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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: NG3

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 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 1/30/2015.

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

Condition 155: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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: 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 155.2:

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 1/30/2015.

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

Condition 156: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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: NG3

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 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 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 157: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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: NG3

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

Item 157.2:

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 1/30/2015.

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

Condition 158: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 158.1:

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 158.2:

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 1/30/2015.

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

Condition 159: Compliance Certification

Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 159.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 159.2:

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 160: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 160.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003
Process: NG3

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

Item 160.2:

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 1/30/2015.

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

Condition 161: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 161.1:

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 161.2:

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 1/30/2015.

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

Condition 162: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 162.1:

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 162.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 2-6206-00012/00016

Facility DEC ID: 2620600012



Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 163: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

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: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 164: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 164.1:

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 164.2:

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 1/30/2015.

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

Condition 165: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 165.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0003

Process: NG3

Emission Source: HRSG2

Item 165.2:

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 1/30/2015.

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

Condition 166: Compliance Certification
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable Federal Requirement: 6 NYCRR 212.6

Item 166.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-R0011

Item 166.2:

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 1/30/2015.

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 167: Contaminant List
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable State Requirement:ECL 19-0301

Item 167.1:
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: 0NY100-00-0
Name: TOTAL HAP

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

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

Condition 168: Malfunctions and start-up/shutdown activities
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable State Requirement:6 NYCRR 201-1.4

Item 168.1:

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, 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 department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the



Item 171.2:

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 1/30/2015.

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

Condition 172: Compliance Demonstration
Effective between the dates of 11/17/2014 and 11/16/2019

Applicable State Requirement: 6 NYCRR 242-1.5

Item 172.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 172.2:

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 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.

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(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 1/30/2015.

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

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

Condition 173: Compliance Demonstration

Effective between the dates of 11/17/2014 and 11/16/2019

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

Item 173.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: E-R0002

Process: RO2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 173.2:

Compliance Demonstration 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: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation
Permit ID: 2-6206-00012/00016 Facility DEC ID: 2620600012



Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

