



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

**IDENTIFICATION INFORMATION**

Permit Type: Title IV (Phase II Acid Rain)  
Permit ID: 1-4722-04426/00005  
Effective Date: 01/12/2012 Expiration Date: 01/11/2017

Permit Type: Air Title V Facility  
Permit ID: 1-4722-04426/00007  
Effective Date: 01/12/2012 Expiration Date: 01/11/2017

Permit Issued To: CAITHNESS LONG ISLAND LLC  
565 FIFTH AVE 29TH FL  
NEW YORK, NY 10017

Contact: GARY KEEVILL  
CAITHNESS LONG ISLAND LLC  
565 FIFTH AVE 29TH FL  
NEW YORK, NY 10017  
(212) 921-9099

Facility: CAITHNESS LONG ISLAND ENERGY CENTER  
50 ZORN BLVD  
SOUTH YAPHANK, NY 11980

Contact: THOMAS A GRACE  
CAITHNESS ENERGY  
565 5TH AVE 29TH FL  
NEW YORK, NY 10017  
(917) 472-4593

Description:  
This is a renewal of the Title IV permit and a new Title V permit for this facility which had previously been issued a PSD permit from the United States Environmental Protection Agency (EPA); and an Air State Facility permit and Title IV permit from the Department. The applicable conditions from those permits are continued. The Caithness Long Island Energy Center is a 346 megawatt (MW), dual fuel, combined-cycle electric generating station. The project is subject to prevention of significant deterioration (PSD) requirements for the following pollutants: NO<sub>x</sub>, CO, particulate matter (PM & PM<sub>10</sub>), sulfur dioxide (SO<sub>2</sub>) and sulfuric acid mist (H<sub>2</sub>SO<sub>4</sub>).

**New York State Department of Environmental Conservation**  
Facility DEC ID: 1472204426



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:           SUSAN ACKERMAN  
                                          NYSDEC - SUNY @ STONY BROOK  
                                          50 CIRCLE RD  
                                          STONY BROOK, NY 11790-3409

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
  - Permit modifications, suspensions or revocations by the Department

**Facility Level**

- Submission of application for permit modification or renewal -  
REGION 1 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 to the Department at least 30 days before the expiration of the permit.



**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.

**Condition 5: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6 NYCRR 621.13**

**Item 5.1:**

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

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

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

**Condition 6: Submission of application for permit modification or renewal - REGION 1 HEADQUARTERS**  
**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 6.1:**

Applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 1 Headquarters  
Division of Environmental Permits  
Stony Brook University  
50 Circle Road  
Stony Brook, NY 11790-3409  
(631) 444-0365



**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: CAITHNESS LONG ISLAND LLC  
565 FIFTH AVE 29TH FL  
NEW YORK, NY 10017

Facility: CAITHNESS LONG ISLAND ENERGY CENTER  
50 ZORN BLVD  
SOUTH YAPHANK, NY 11980

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

Permit Effective Date: 01/12/2012

Permit Expiration Date: 01/11/2017





## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 202-2.1: Compliance Certification
- 7 6 NYCRR 202-2.5: Recordkeeping requirements
- 8 6 NYCRR 215.2: Open Fires - Prohibitions
- 9 6 NYCRR 200.7: Maintenance of Equipment
- 10 6 NYCRR 201-1.7: Recycling and Salvage
- 11 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 12 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 13 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 14 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 15 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 16 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 17 6 NYCRR 201-6.5 (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 201-6.5 (a): Compliance Certification
- 23 6 NYCRR 201-6.5 (a): Compliance Certification
- 24 6 NYCRR 201-6.5 (a): Compliance Certification
- 25 6 NYCRR 201-6.5 (e): Compliance Certification
- 26 6 NYCRR 211.1: Air pollution prohibited
- 27 6 NYCRR 227-1.3 (a): Compliance Certification
- 28 6 NYCRR Subpart 231-2: Compliance Certification
- 29 6 NYCRR Subpart 231-2: Compliance Certification
- 30 6 NYCRR 231-2.4: Emission Reduction Credit Offsets
- 31 6 NYCRR 243-1.6 (a): Permit Requirements
- 32 6 NYCRR 243-1.6 (b): Monitoring requirements
- 33 6 NYCRR 243-1.6 (c): NOx Ozone Season Emission Requirements
- 34 6 NYCRR 243-1.6 (d): Excess emission requirements
- 35 6 NYCRR 243-1.6 (e): Recordkeeping and reporting requirements
- 36 6 NYCRR 243-2.1: Authorization and responsibilities of CAIR designated representative
- 37 6 NYCRR 243-2.4: Certificate of representation
- 38 6 NYCRR 243-8.1: General requirements
- 39 6 NYCRR 243-8.1: Prohibitions
- 40 6 NYCRR 243-8.5 (d): Quarterly reports
- 41 6 NYCRR 243-8.5 (e): Compliance certification
- 42 6 NYCRR Subpart 244-1: CAIR NOx Annual Trading Program General



Conditions

- 43 6 NYCRR Subpart 244-2: Designated CAIR Representative
- 44 6 NYCRR Subpart 244-8: Compliance Certification
- 45 6 NYCRR Subpart 245-1: CAIR SO2 Trading Program General Provisions
- 46 6 NYCRR Subpart 245-2: Designated CAIR Representative
- 47 6 NYCRR Subpart 245-8: Compliance Certification
- 48 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 49 40CFR 60.7(a), NSPS Subpart A: Date of construction notification -  
If a COM is not used.
- 50 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 51 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
- 52 40CFR 60.7(e), NSPS Subpart A: Monitoring frequency waiver.
- 53 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 54 40CFR 60.7(g), NSPS Subpart A: Notification Similar to State or  
Local Agency
- 55 40CFR 60.8(b), NSPS Subpart A: Performance Test Methods - Waiver
- 56 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 57 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 58 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 59 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 60 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 61 40CFR 60.12, NSPS Subpart A: Circumvention.
- 62 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 63 40CFR 60.14, NSPS Subpart A: Modifications.
- 64 40CFR 60.15, NSPS Subpart A: Reconstruction
- 65 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations  
and Permitting

**Emission Unit Level**

- 66 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 67 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

**EU=U-00001**

- 68 6 NYCRR 201-6.5 (a): Combustion Turbine and Duct Burner Gases
- 69 6 NYCRR 201-6.5 (a): Compliance Certification
- 70 6 NYCRR 201-6.5 (a): Compliance Certification
- 71 6 NYCRR 201-6.5 (a): Compliance Certification
- 72 6 NYCRR 201-6.5 (a): Compliance Certification
- 73 6 NYCRR 201-6.5 (a): Compliance Certification
- 74 6 NYCRR 201-6.5 (a): Compliance Certification
- 75 6 NYCRR 201-6.5 (a): Compliance Certification
- 76 6 NYCRR 201-6.5 (a): Compliance Certification
- 77 6 NYCRR 201-6.5 (a): Compliance Certification
- 78 6 NYCRR 201-6.5 (a): Compliance Certification
- 79 6 NYCRR 201-6.5 (a): Compliance Certification
- 80 40 CFR Part 64: Compliance Certification
- 81 40 CFR Part 64: Compliance Certification

**EU=U-00001,Proc=P01**

- 82 6 NYCRR 201-6.5 (a): Compliance Certification
- 83 6 NYCRR 201-6.5 (a): Compliance Certification
- 84 6 NYCRR 201-6.5 (a): Compliance Certification
- 85 6 NYCRR 201-6.5 (a): Compliance Certification



- 86 6 NYCRR Subpart 231-2: Compliance Certification
- 87 6 NYCRR Subpart 231-2: Compliance Certification
- 88 6 NYCRR Subpart 231-2: Compliance Certification

**EU=U-00001,Proc=P02**

- 89 6 NYCRR 201-6.5 (a): Compliance Certification
- 90 6 NYCRR 201-6.5 (a): Compliance Certification
- 91 6 NYCRR 201-6.5 (a): Compliance Certification
- 92 6 NYCRR 201-6.5 (a): Compliance Certification
- 93 6 NYCRR 201-6.5 (a): Compliance Certification
- 94 6 NYCRR Subpart 231-2: Compliance Certification
- 95 6 NYCRR Subpart 231-2: Compliance Certification
- 96 6 NYCRR Subpart 231-2: Compliance Certification

**EU=U-00001,Proc=P03**

- 97 6 NYCRR 201-6.5 (a): Compliance Certification
- 98 6 NYCRR 201-6.5 (a): Compliance Certification
- 99 6 NYCRR 201-6.5 (a): Compliance Certification
- 100 6 NYCRR 201-6.5 (a): Compliance Certification
- 101 6 NYCRR 201-6.5 (a): Compliance Certification
- 102 6 NYCRR 201-6.5 (a): Compliance Certification
- 103 6 NYCRR 201-6.5 (a): Compliance Certification
- 104 6 NYCRR 201-6.5 (a): Compliance Certification
- 105 6 NYCRR Subpart 231-2: Compliance Certification
- 106 6 NYCRR Subpart 231-2: Compliance Certification
- 107 6 NYCRR Subpart 231-2: Compliance Certification

**EU=U-00001,Proc=P04**

- 108 6 NYCRR 201-6.5 (a): Compliance Certification
- 109 6 NYCRR 201-6.5 (a): Compliance Certification
- 110 6 NYCRR 201-6.5 (a): Compliance Certification
- 111 6 NYCRR 201-6.5 (a): Compliance Certification
- 112 6 NYCRR 201-6.5 (a): Compliance Certification
- 113 6 NYCRR Subpart 231-2: Compliance Certification
- 114 6 NYCRR Subpart 231-2: Compliance Certification
- 115 6 NYCRR Subpart 231-2: Compliance Certification

**EU=U-00001,Proc=P09**

- 116 6 NYCRR 201-6.5 (a): Fuel Switching Definition
- 117 6 NYCRR 201-6.5 (a): Startup - Shutdown Emission Limits
- 118 6 NYCRR 201-6.5 (a): Startup and Shutdown Definitions
- 119 6 NYCRR 201-6.5 (a): Compliance Certification
- 120 6 NYCRR 201-6.5 (a): Compliance Certification
- 121 6 NYCRR 201-6.5 (a): Compliance Certification
- 122 6 NYCRR 201-6.5 (a): Compliance Certification
- 123 6 NYCRR 201-6.5 (a): Compliance Certification
- 124 6 NYCRR 201-6.5 (a): Compliance Certification
- 125 6 NYCRR 201-6.5 (a): Compliance Certification
- 126 6 NYCRR 201-6.5 (a): Compliance Certification
- 127 6 NYCRR 201-6.5 (a): Compliance Certification
- 128 6 NYCRR 201-6.5 (a): Compliance Certification
- 129 6 NYCRR 201-6.5 (a): Compliance Certification



- 130 6 NYCRR 201-6.5 (a): Compliance Certification
- 131 6 NYCRR 201-6.5 (a): Compliance Certification
- 132 6 NYCRR 201-6.5 (a): Compliance Certification
- 133 6 NYCRR 201-6.5 (a): Compliance Certification
- 134 6 NYCRR 201-6.5 (a): Compliance Certification
- 135 6 NYCRR 201-6.5 (a): Compliance Certification
- 136 6 NYCRR 201-6.5 (a): Compliance Certification
- 137 6 NYCRR 201-6.5 (a): Compliance Certification
- 138 6 NYCRR 201-6.5 (a): Compliance Certification
- 139 6 NYCRR 201-6.5 (a): Compliance Certification
- 140 6 NYCRR 201-6.5 (a): Compliance Certification
- 141 6 NYCRR 201-6.5 (a): Compliance Certification
- 142 6 NYCRR 201-6.5 (a): Compliance Certification
- 143 6 NYCRR 201-6.5 (a): Compliance Certification
- 144 6 NYCRR 201-6.5 (a): Compliance Certification
- 145 6 NYCRR 201-6.5 (a): Compliance Certification

**EU=U-00001,EP=EP001**

- 146 40 CFR Part 64: Compliance Certification

**EU=U-00002**

- 147 6 NYCRR Subpart 201-6: Compliance Certification

**EU=U-00002,Proc=P05**

- 148 6 NYCRR Subpart 231-2: Compliance Certification

**EU=U-00002,Proc=P06**

- 149 6 NYCRR Subpart 201-6: Compliance Certification
- 150 6 NYCRR Subpart 201-6: Compliance Certification
- 151 6 NYCRR Subpart 231-2: Compliance Certification

**EU=U-00002,EP=EP002,Proc=P05**

- 152 6 NYCRR Subpart 201-6: Compliance Certification
- 153 6 NYCRR Subpart 201-6: Compliance Certification

**EU=U-00002,EP=EP002,Proc=P06**

- 154 6 NYCRR Subpart 201-6: Compliance Certification
- 155 6 NYCRR Subpart 201-6: Compliance Certification
- 156 6 NYCRR 227-1.3: Compliance Certification

**EU=U-00003,EP=EP003**

- 157 6 NYCRR Subpart 201-6: Compliance Certification
- 158 6 NYCRR Subpart 201-6: Compliance Certification
- 159 6 NYCRR 201-6.5 (a): Compliance Certification

**EU=U-00003,EP=EP004**

- 160 6 NYCRR Subpart 201-6: Compliance Certification
- 161 6 NYCRR Subpart 201-6: Compliance Certification
- 162 6 NYCRR Subpart 201-6: Compliance Certification



- 163 6 NYCRR Subpart 201-6: Compliance Certification
- 164 6 NYCRR Subpart 201-6: Compliance Certification
- 165 6 NYCRR Subpart 231-2: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 166 ECL 19-0301: Contaminant List
- 167 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 168 6 NYCRR 211.2: Visible Emissions Limited
- 169 6 NYCRR 211.2: Compliance Demonstration



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

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

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

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

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

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

**Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**

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



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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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





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

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

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

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

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

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

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

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



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**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 01/12/2012 and 01/11/2017**

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

**Item 2.1:**

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

**Condition 3: Recordkeeping and reporting of compliance monitoring**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 3.1:**



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

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

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

**Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 4.1:**

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

**Condition 5: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum



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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A



written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

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

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

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

Monitoring Frequency: SEMI-ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).



**Condition 6: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**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:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 7: Recordkeeping requirements**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 7.1:**

(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 8: Open Fires - Prohibitions**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 8.1:**

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 8.2**

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 9: Maintenance of Equipment**



**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 9.1:**

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 10: Recycling and Salvage**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 10.1:**

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

**Condition 11: Prohibition of Reintroduction of Collected Contaminants to the air**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 11.1:**

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 12: Exempt Sources - Proof of Eligibility**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 12.1:**

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

**Condition 13: Trivial Sources - Proof of Eligibility**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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





**Item 13.1:**

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

**Condition 14: Standard Requirement - Provide Information**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 14.1:**

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

**Condition 15: General Condition - Right to Inspect**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 15.1:**

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 16: Standard Requirements - Progress Reports**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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



**Item 16.1:**

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 17: Off Permit Changes**

**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR 201-6.5 (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 in emissions, and any permit term or condition that is no longer applicable as a result of the change.

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

**Condition 18: Required Emissions Tests**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 18.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

**Condition 19: Accidental release provisions.**

**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:40 CFR Part 68**



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of NOx. The turbine also employs an oxidation catalyst to control emissions of carbon monoxide, VOCs, and HAPs.

Building(s): GEN01

**Item 21.2:**

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

Emission Unit: U-00002

Emission Unit Description:

This emission unit consists of an auxiliary boiler which fires natural gas as its primary fuel with distillate oil back-up. The boiler uses a low NOx burner in combination with flue gas recirculation to control emissions of NOx.

Building(s): GEN01

**Item 21.3:**

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

Emission Unit: U-00003

Emission Unit Description:

This emission unit consists of a natural gas fired fuel gas heater and a diesel fire pump.

**Condition 22: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

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

Monitoring Description:

The continuous emission monitoring systems required by the PSD permit and this permit shall be on-line and in operation 95% of the time when emission sources are operating.

Parameter Monitored: OPERATING HOURS

Lower Permit Limit: 95 percent

Monitoring Frequency: MONTHLY

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

**Condition 23: Compliance Certification**



Effective between the dates of 01/12/2012 and 01/11/2017

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

**Item 23.1:**

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

Emission Unit: U-00001  
Process: P03

Emission Unit: U-00001  
Process: P04

Emission Unit: U-00001  
Process: P09

Emission Unit: U-00002  
Process: P06

Emission Unit: U-00003  
Process: P08

**Item 23.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator shall not fire distillate oil with a sulfur content greater than 0.04% by weight. Sulfur content shall be measured on a per delivery basis. Records of sulfur content shall be maintained at the facility for a minimum of 5 years.

The owner or operator may elect to monitor the total sulfur content of the fuel oil combusted or use the following sources of information to make the required demonstration:

(i) The fuel oil quality characteristics in a current, valid purchase contract, tariff sheet, bill of lading, or transportation contract for the fuel oil, specifying that the maximum total sulfur content of the fuel is 0.04% by weight.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.04 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 24: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 24.1:**

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

Emission Unit: U-00001  
Process: P01

Emission Unit: U-00001  
Process: P02

Emission Unit: U-00001  
Process: P09

Emission Unit: U-00002  
Process: P05

Emission Unit: U-00003  
Process: P07

**Item 24.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator shall not fire natural gas with a sulfur content greater than 0.35 grains per 100 standard cubic feet. Records of sulfur content shall be maintained at the facility for a minimum of 5 years.

The owner or operator may elect to monitor the total sulfur content of the gaseous fuel combusted or use one of the following sources of information to make the required demonstration:

(i) The gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 0.35 grains/100 scf or less;  
or

(ii) Representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 0.35

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grains/100 scf. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to 40 CFR part 75 is required.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.35 grains per 100 scf

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 25: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 25.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
  - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
  - and
  - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to

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certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

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

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

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

The address for the RAPCE is as follows:

NYSDEC- Region 1 Headquarters  
Stony Brook University  
50 Circle Road  
Stony Brook, NY 11790-3409

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 1/30/2013.  
Subsequent reports are due on the same day each year

**Condition 26: Air pollution prohibited**  
**Effective between the dates of 01/12/2012 and 01/11/2017**





**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 26.1:**

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 27: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 27.1:**

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

Emission Unit: U-00001	Emission Point: EP001
Emission Unit: U-00002	Emission Point: EP002
Emission Unit: U-00003	Emission Point: EP003
Emission Unit: U-00003	Emission Point: EP004

**Item 27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No owner of a combustion installation shall operate the installation in such a way to emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent based upon the six minute average in reference test Method 9 in Appendix A of 20 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: ANNUALLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 28: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**



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

**Item 28.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 28.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility is limited to 90.3 tons per year of oxides of nitrogen emissions. Based on this limit the facility will be required to purchase emissions reduction credits at a ratio of 1.3 to 1 to offset these emissions. The facility will demonstrate compliance by tracking combustion equipment CEM data or fuel use and applying the permitted NOx emission limits (on a lb/mmBtu basis) as follows:

$$\text{NOx Tons} = [\text{CEMCC} + \text{HIAB-NG} \times 0.011 + \text{HIAB-FO} \times 0.10 + \text{HIGH} \times 0.050 + \text{HIFP} \times 1.97] / 2000$$

where:

CEMCC = combined cycle CEM lb NOx

HIAB-NG = auxiliary boiler natural gas heat input - MMBTU HHV

HIAB-FO = auxiliary boiler fuel oil heat input - MMBTU HHV

HIGH = fuel gas heater heat input - MMBTU HHV

HIFP = diesel fire pump heat input - MMBTU HHV

The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx Analyzer & Fuel Flow Meter

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 90.3 tons per year

Reference Test Method: 40 CFR Parts 60 & 75

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

**Condition 29: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**



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

**Item 29.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 29.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility is limited to 62.9 tons per year of volatile organic compounds emissions. Based on this limit the facility will be required to purchase emissions reduction credits at a ratio of 1.3 to 1 to offset these emissions. The facility will demonstrate compliance by tracking combustion equipment fuel use and applying the permitted VOC emission limits (on a lb/mmBtu basis) as follows:

$$\text{VOC Tons} = [\text{HICC-NG} \times 0.0016 + \text{HICC- NGwDB} \times 0.0023 + \text{HICC-FO} \times 0.0060 + \text{HICC-FOwDB} \times 0.0110 + \text{HIAB-NG} \times 0.006 + \text{HIAB-FO} \times 0.03 + \text{HIGH} \times 0.011 + \text{HIFP} \times 0.084] / 2000$$

where:

HICC-NG = combined cycle heat input on natural gas - MMBTU HHV

HICC-NGwDB = combined cycle heat input on natural gas - MMBTU HHV

HICC-FO = combined cycle heat input on fuel oil - MMBTU HHV

HICC-FOwDB = combined cycle heat input on fuel oil with duct burner - MMBTU HHV

HIAB-NG = auxiliary boiler natural gas heat input - MMBTU HHV

HIAB-FO = auxiliary boiler fuel oil heat input - MMBTU HHV

HIGH = fuel gas heater heat input - MMBTU HHV

HIFP = diesel fire pump heat input - MMBTU HHV

The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: Fuel Flow Meter

Parameter Monitored: VOC

Upper Permit Limit: 62.9 tons per year

Reference Test Method: 40 CFR 60 & 75

Monitoring Frequency: DAILY

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Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

Condition 30: Emission Reduction Credit Offsets
Effective between the dates of 01/12/2012 and 01/11/2017

Applicable Federal Requirement:6 NYCRR 231-2.4

Item 30.1:

To satisfy the emission offset requirements of Part 231, the facility has obtained 118 (118/1.3=90.77) NOx Emission Reduction Credits (ERCs) from the following sources:

Table with 3 columns: Facility Name, DEC ID, ERCs (tpy). Row 1: JP Morgan Venture Energy Corp., NA, 118

Item 30.2:

To satisfy the emission offset requirements of Part 231, the facility has obtained 82.55 (82.55/1.3=63.5) VOC Emission Reduction Credits (ERCs) from the following sources:

Table with 3 columns: Facility Name, DEC ID, ERCs (tpy). Row 1: FPL Energy, NA, 40. Row 2: Northrop Grumman, 1-2824-00112, 42.55

Condition 31: Permit Requirements
Effective between the dates of 01/12/2012 and 01/11/2017

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

Item 31.1:

This Condition applies to:

Emission Unit: U00001

Item 31.2:

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

(i) submit to the department a complete CAIR permit application under section 243-3.3 in accordance with the deadlines specified in section 243-3.2; and

(ii) submit in a timely manner any supplemental information that the department determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

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

Condition 32: Monitoring requirements
Effective between the dates of 01/12/2012 and 01/11/2017



**Applicable Federal Requirement:6 NYCRR 243-1.6 (b)**

**Item 32.1:**

This Condition applies to:

Emission Unit: U00001

**Item 32.2:**

The emissions measurements recorded and reported in accordance with Subpart 243-8 shall be used to determine compliance by each CAIR NO<sub>x</sub> Ozone Season source with the CAIR NO<sub>x</sub> Ozone Season emissions limitation under subdivision (c) of this section.

**Condition 33: NO<sub>x</sub> Ozone Season Emission Requirements  
Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR 243-1.6 (c)**

**Item 33.1:**

This Condition applies to:

Emission Unit: U00001

**Item 33.2:**

As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO<sub>x</sub> Ozone Season allowances available for compliance deductions for the control period under section 243-6.5(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO<sub>x</sub> Ozone Season units at the source, as determined in accordance with Subpart 243-8. The CAIR NO<sub>x</sub> ozone season is the period beginning May 1 of a calendar year, except as provided in section 243-1.6(c)(2), and ending on September 30 of the same year, inclusive.

A CAIR NO<sub>x</sub> Ozone Season unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under sections 243-8.1(b)(1), (2), (3), or (7) and for each control period thereafter.

A CAIR NO<sub>x</sub> Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR NO<sub>x</sub> Ozone Season allowance was allocated.

CAIR NO<sub>x</sub> Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System accounts in accordance with Subparts 243-6, 243-7, and 243-9.

A CAIR NO<sub>x</sub> Ozone Season allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO<sub>x</sub> Ozone Season Trading Program. No provision of the CAIR NO<sub>x</sub> Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or

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an exemption under section 243-1.5 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

A CAIR NOx Ozone Season allowance does not constitute a property right.

Upon recordation by the Administrator under Subpart 243-6, 243-7, or 243-9, every allocation, transfer, or deduction of a CAIR NOx Ozone Season allowance to or from a CAIR NOx Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

**Condition 34: Excess emission requirements**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 34.1:**

This Condition applies to:

Emission Unit: U00001

**Item 34.2:**

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

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

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

**Condition 35: Recordkeeping and reporting requirements**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR 243-1.6 (e)**

**Item 35.1:**

This Condition applies to:

Emission Unit: U00001

**Item 35.2:**

Unless otherwise provided, the owners and operators of the CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the 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 section 243-2.4 for the CAIR designated



representative for the source and each CAIR NOx Ozone Season unit at 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 section 243-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with Subpart 243-8, provided that to the extent that Subpart 243-8 provides for a three-year period for recordkeeping, the three-year period shall apply.

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

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

**Condition 36: Authorization and responsibilities of CAIR designated representative**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR 243-2.1**

**Item 36.1:**

This Condition applies to:

Emission Unit: U00001

**Item 36.2:**

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

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

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

No CAIR permit will be issued, no emissions data reports will be accepted, and no CAIR NOx Ozone Season Allowance Tracking System account will be established for a CAIR NOx Ozone



Season unit at a source, until the Administrator has received a complete certificate of representation under section 243-2.4 for a CAIR designated representative of the source and the CAIR NOx Ozone Season units at the source.

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

**Condition 37: Certificate of representation**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR 243-2.4**

**Item 37.1:**

This Condition applies to:

Emission Unit: U00001

**Item 37.2:**

Unless otherwise required by the department or the Administrator, documents of agreement referred to in the certificate of representation shall not be submitted to the department or the Administrator. Neither the department nor the Administrator shall be under any obligation to review or evaluate the sufficiency of such documents, if submitted.

**Condition 38: General requirements**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR 243-8.1**

**Item 38.1:**

This Condition applies to:

Emission Unit: U00001

**Item 38.2:**

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



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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 39: Prohibitions**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR 243-8.1**

**Item 39.1:**  
This Condition applies to:

Emission Unit: U00001

**Item 39.2:**  
No owner or operator of a CAIR NOx Ozone Season unit shall use any alternative monitoring system, alternative reference method, or any other alternative to any requirement of this Subpart without having obtained prior written approval in accordance with section 243-8.6.

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

No owner or operator of a CAIR NOx Ozone Season unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NOx mass emissions discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this Subpart and 40 CFR Part 75.

No owner or operator of a CAIR NOx 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 40: Quarterly reports**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 40.1:**

This Condition applies to:

Emission Unit: U00001

**Item 40.2:**

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

If the CAIR NOx Ozone Season unit is subject to an Acid Rain emissions limitation or a CAIR NOx 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 NOx mass emissions) for such unit for the entire year and shall report the NOx 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 NOx Ozone Season units that are also subject to an Acid Rain emissions limitation or the CAIR NOx 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 NOx mass emission data, heat input



data, and other information required by this Subpart.

**Condition 41: Compliance certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR 243-8.5 (e)**

**Item 41.1:**

This Condition applies to:

Emission Unit: U00001

**Item 41.2:**

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:

- (1) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR Part 75, including the quality assurance procedures and specifications;
- (2) for a unit with add-on NO<sub>x</sub> emission controls and for all hours where NO<sub>x</sub> 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<sub>x</sub> emissions; and
- (3) for a unit that is reporting on a control period basis under subparagraph (d)(2)(ii) of this section, the NO<sub>x</sub> emission rate and NO<sub>x</sub> concentration values substituted for missing data under Subpart D of 40 CFR Part 75 are calculated using only values from a control period and do not systematically underestimate NO<sub>x</sub> emissions.

**Condition 42: CAIR NO<sub>x</sub> Annual Trading Program General Conditions**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR Subpart 244-1**

**Item 42.1:**

This Condition applies to:

Emission Unit: U00001

**Item 42.2:**

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, Clean Air Interstate Rule (CAIR) NO<sub>x</sub> 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<sub>x</sub> units at the source during that control period. A CAIR NO<sub>x</sub> allowance shall not be deducted for a control period in a calendar year before the



year for which the CAIR NOx allowance was allocated. [244-1.6(c)(1), 244-1.2(b)(5), 244-1.2(b)(36), 244-1.6(c)(3)]

2) The owners and operators shall hold in their compliance account, CAIR NOx allowances available for compliance deductions for the control period starting on the later of January 1, 2009 or the deadline for meeting a CAIR NOx unit's monitor certification requirements under section 244-8.1(b)(1), (2), or (5) and for each control period thereafter. [244-1.6(c)(2)]

3) If a CAIR NOx source emits nitrogen oxides during any control period in excess of the CAIR NOx emissions limitation, the owners and operators of the CAIR NOx source shall surrender the CAIR NOx 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 NOx 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: [244-1.6(e)]

(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 NOx Annual Trading Program.

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

**Condition 43: Designated CAIR Representative**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR Subpart 244-2**

**Item 43.1:**

This Condition applies to:

Emission Unit: U00001

**Item 43.2:**

1) Each Clean Air Interstate Rule (CAIR) NOx source shall have one CAIR designated representative and may have one alternate representative, as per 6NYCRR Part 244-2.2, with regard to all matters under the CAIR NOx Annual Trading Program. The CAIR designated representative shall be selected by an agreement binding on the owners and operators of the source and act in accordance with the certification statement in 6NYCRR Part 244-2.4(a)(4)(iv).



Upon receipt by the Administrator of a complete certificate of representation under 6NYCRR Part 244-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NOx source represented in all matters pertaining to the CAIR NOx Annual Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source. [244-2.1(a), (b) & (c)]

(2) Each submission under the CAIR NOx Annual Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR NOx source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment." [244-2.1(e)]

**Condition 44: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR Subpart 244-8**

**Item 44.1:**

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

Emission Unit: U-00001

Regulated Contaminant(s):

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

**Item 44.2:**

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 NO<sub>x</sub> 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<sub>x</sub> units that are also subject to an Acid Rain emissions limitation or the CAIR NO<sub>x</sub> Ozone Season Trading Program, CAIR SO<sub>2</sub> 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<sub>x</sub> 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<sub>x</sub> emission controls and for all hours where NO<sub>x</sub> 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<sub>x</sub> 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 NOx 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: ANNUAL TOTAL  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 45: CAIR SO2 Trading Program General Provisions  
Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR Subpart 245-1**

**Item 45.1:**  
This Condition applies to:

Emission Unit: U00001

**Item 45.2:**



1) 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 Clean Air Interstate Rule (CAIR) SO<sub>2</sub> source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO<sub>2</sub> allowances available for compliance deductions for the control period (January 1 through December 31) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO<sub>2</sub> units at the source. A CAIR SO<sub>2</sub> 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 SO<sub>2</sub> allowance was allocated.

[(245-1.2(b)(5), 245-1.6(c)(1), 245-1.2(b)(36), 245-1.6(c)(3)]

2) The owners and operators shall hold in their compliance account, CAIR SO<sub>2</sub> allowances available for compliance deductions for the control period starting on the later of January 1, 2010 or the deadline for meeting a CAIR SO<sub>2</sub> unit's monitor certification requirements under section 245-8.1(b)(1), (2), or (5) and for each control period thereafter. [245-1.6(c)(2)]

3) If a CAIR SO<sub>2</sub> source emits sulfur dioxide during any control period in excess of the CAIR SO<sub>2</sub> emissions limitation, the owners and operators of the source shall surrender the CAIR SO<sub>2</sub> 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)]

4) Unless otherwise provided, the owners and operators of the CAIR SO<sub>2</sub> 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: [245-1.6(e)]

(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 SO<sub>2</sub> Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR SO<sub>2</sub> Trading Program or to demonstrate compliance with the requirements of the CAIR SO<sub>2</sub> Trading Program.

**Condition 46: Designated CAIR Representative**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement: 6 NYCRR Subpart 245-2**

**Item 46.1:**

This Condition applies to:

Emission Unit: U00001





**Item 46.2:**

1) Each CAIR SO<sub>2</sub> 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 SO<sub>2</sub> Trading Program. The CAIR designated representative of the CAIR SO<sub>2</sub> source shall be selected by an agreement binding on the owners and operators of the source and all CAIR SO<sub>2</sub> 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 SO<sub>2</sub> source represented and each CAIR SO<sub>2</sub> unit at the source in all matters pertaining to the CAIR SO<sub>2</sub> 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.  
[245-2.1(a), (b) & (c)]

(2) Each submission under the CAIR SO<sub>2</sub> Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR SO<sub>2</sub> 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."  
[245-2.1(e)]

**Condition 47: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:6 NYCRR Subpart 245-8**

**Item 47.1:**

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

Emission Unit: U-00001

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

**Item 47.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and Reporting SO<sub>2</sub> emissions:

1) The owners and operators, and to the extent applicable,



the Clean Air Interstate Rule (CAIR) designated representative, of a CAIR SO<sub>2</sub> unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in Subpart 6 NYCRR Part 245-8 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 SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> unit. [245-8.1]

2) The owner or operator of each CAIR SO<sub>2</sub> unit shall:  
[245-8.1(a)]

(i) install all monitoring systems required under this Subpart for monitoring SO<sub>2</sub> mass emissions and individual unit heat input (including all systems required to monitor SO<sub>2</sub> concentration, stack gas moisture content, stack gas flow rate, CO<sub>2</sub> or O<sub>2</sub> 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.

3) The owner or operator shall meet the monitoring system certification and other requirements of section 245-8.1(a)(1) and (2) on or before the following dates. The owner or operator shall record, report, and quality-assure the data from the monitoring systems under section 245-8.1(a)(1) on and after the following dates.  
[245-8.1(b)]

(i) For the CAIR SO<sub>2</sub> unit that commences commercial operation before July 1, 2008, by January 1, 2009.

(ii) For the CAIR SO<sub>2</sub> 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.

4) Whenever the owner or operator makes a replacement,



modification, or change in any certified continuous emission monitoring system under section 245-8.1(a)(1) that may significantly affect the ability of the system to accurately measure or record SO<sub>2</sub> 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 under section 245-8.1(a)(1) is subject to the recertification requirements in 40 CFR 75.20(g)(6). [245-8.2(d)(2)]

5) 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 of or appendix D to 40 CFR Part 75. [245-8.3(a)]

6) The CAIR designated representative shall comply with all recordkeeping and reporting requirements in section 245-8.3, the applicable recordkeeping and reporting requirements in Subparts F and G of 40 CFR Part 75, and the requirements of section 245-2.1(e)(1). [245-8.5(a)]

7) The owner or operator of a CAIR SO<sub>2</sub> unit shall comply with requirements of 40 CFR 75.62 for monitoring plans. [245-8.5(b)]

8) The CAIR designated representative shall submit an application to the department within 45 days after completing all initial certification or recertification tests required under section 245-8.2, including the information required under 40 CFR 75.63. [245-8.5(c)]

9) The CAIR designated representative shall submit quarterly reports of the SO<sub>2</sub> mass emissions data and heat input data for each CAIR SO<sub>2</sub> unit, in an electronic



quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with: [245-8.5(d)(1)]

- i) the calendar quarter covering January 1, 2009 through March 31, 2009 for a unit that commences commercial operation before July 1, 2008; or
- ii) for a unit that commences commercial operation on or after July 1, 2008, the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under section 245-8.1(b), unless that quarter is the third or fourth quarter of 2008, in which case reporting shall commence in the quarter covering January 1, 2009 through March 31, 2009.

10) 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 75.64. [245-8.5(d)(2)]

11) For CAIR SO<sub>2</sub> units that are also subject to an Acid Rain emissions limitation or the CAIR NO<sub>x</sub> Annual Trading Program, CAIR NO<sub>x</sub> Ozone Season 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 SO<sub>2</sub> mass emission data, heat input data, and other information required by this Subpart. [245-8.5(d)(3)]

12) 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: [245-8.5(e)]

- i) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR Part 75, including the quality assurance procedures and specifications; and
- ii) for a unit with add-on SO<sub>2</sub> emission controls and for all hours where SO<sub>2</sub> 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 SO<sub>2</sub> emissions.

Monitoring Frequency: CONTINUOUS

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Facility DEC ID: 1472204426



Averaging Method: ANNUAL TOTAL  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 48: EPA Region 2 address.**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 48.1:**

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 49: Date of construction notification - If a COM is not used.**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 49.1:**

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

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



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

6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date.

**Condition 50: Recordkeeping requirements.**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 50.1:**

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 51: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 51.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each six (6) month period (or as appropriate), and shall contain the following information:

1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;

2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;

3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system



repairs or adjustments; and

4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 52: Monitoring frequency waiver.**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 52.1: Notwithstanding the frequency of reporting requirements specified in paragraph (c) of this section, an owner or operator who is required by an applicable subpart to submit excess emissions and monitoring systems performance reports (and summary reports) on a quarterly (or more frequent) basis may reduce the frequency of reporting for that standard to semiannual if the conditions in 40 CFR 60.7(e) are met.**

**Condition 53: Facility files for subject sources.**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 53.1:**

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

**Condition 54: Notification Similar to State or Local Agency**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 54.1:**

If notification substantially similar to that in 40 CFR Part 60.7(a) is required by any other State or local agency, sending the Administrator a copy of that notification will satisfy the requirements of 40 CFR Part 60.7(a).

**Condition 55: Performance Test Methods - Waiver**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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



**Item 55.1:**

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR Part 60 unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternate method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.

**Condition 56: Required performance test information.**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 56.1:**

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

**Condition 57: Prior notice.**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 57.1:**

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

**Condition 58: Performance testing facilities.**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 58.1:**

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

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

**Condition 59: Number of required tests.**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 59.1:**





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

**Condition 60: Opacity standard compliance testing.**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 60.1:**

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

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A of 40 CFR Part 60(or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

**Condition 61: Circumvention.**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 61.1:**

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 62: Monitoring requirements.**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 62.1:**

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

**Condition 63: Modifications.**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 63.1:**

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

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**Condition 64: Reconstruction**

Effective between the dates of 01/12/2012 and 01/11/2017

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

**Item 64.1:**

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

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

**Condition 65: Facility Subject to Title IV Acid Rain Regulations and Permitting**

Effective between the dates of 01/12/2012 and 01/11/2017

**Applicable Federal Requirement:40 CFR Part 72**

**Item 65.1: This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is an attachment to this permit.**

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

**Condition 66: Emission Point Definition By Emission Unit**

Effective between the dates of 01/12/2012 and 01/11/2017

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

**Item 66.1:**

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

Emission Unit: U-00001

Emission Point: EP001

Height (ft.): 170

Diameter (in.): 240



NYTMN (km.): 4520.27 NYTME (km.): 673.675 Building: GEN01

**Item 66.2:**

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

Emission Unit: U-00002

Emission Point: EP002

Height (ft.): 170

Diameter (in.): 24

NYTMN (km.): 4520.259 NYTME (km.): 673.654 Building: GEN01

**Item 66.3:**

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

Emission Unit: U-00003

Emission Point: EP003

Height (ft.): 18

Diameter (in.): 16

NYTMN (km.): 4520.145 NYTME (km.): 673.641

Emission Point: EP004

Height (ft.): 7 Diameter (in.): 6

NYTMN (km.): 4520.357 NYTME (km.): 673.728

**Condition 67: Process Definition By Emission Unit**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 67.1:**

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

Emission Unit: U-00001

Process: P01

Source Classification Code: 2-01-002-01

Process Description: Combustion turbine firing natural gas.

Emission Source/Control: CT001 - Combustion

Design Capacity: 2,221 million Btu per hour

Emission Source/Control: OXY01 - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 67.2:**

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

Emission Unit: U-00001

Process: P02

Source Classification Code: 2-01-001-01

Process Description:

Combustion turbine firing natural gas in combination with

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the duct burner firing natural gas.

Emission Source/Control: CT001 - Combustion  
Design Capacity: 2,221 million Btu per hour

Emission Source/Control: DB001 - Combustion  
Design Capacity: 494 million Btu per hour

Emission Source/Control: OXY01 - Control  
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 67.3:**

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

Emission Unit: U-00001  
Process: P03 Source Classification Code: 2-01-001-01  
Process Description:  
Combustion turbine firing distillate oil. When the combustion turbine fires distillate oil the heat input is 2,125 mmBtu/hr (HHV).

Emission Source/Control: CT001 - Combustion  
Design Capacity: 2,221 million Btu per hour

Emission Source/Control: OXY01 - Control  
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 67.4:**

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

Emission Unit: U-00001  
Process: P04 Source Classification Code: 2-01-001-01  
Process Description:  
Combustion turbine firing distillate oil in combination with the duct burner firing natural gas. During this operating scenario the duct burner is limited to operating at no more than 369 mmBtu/hr heat input.

Emission Source/Control: CT001 - Combustion  
Design Capacity: 2,221 million Btu per hour

Emission Source/Control: DB001 - Combustion  
Design Capacity: 494 million Btu per hour

Emission Source/Control: OXY01 - Control  
Control Type: CATALYTIC OXIDATION



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Emission Unit: U-00003  
Process: P08 Source Classification Code: 2-02-001-02  
Process Description: Diesel fire pump operation.

Emission Source/Control: DFP01 - Combustion  
Design Capacity: 300 horsepower (mechanical)

**Condition 68: Combustion Turbine and Duct Burner Gases**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 68.1:**

This Condition applies to Emission Unit: U-00001

**Item 68.2:**

Exhaust gases from the Combustion Turbine and Duct Burner shall be directed to a single stack that rises to 170 feet above grade and has a flue diameter of 20 feet.

**Condition 69: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 69.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

**Item 69.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The emission unit is limited to 270.9 tons per year of carbon monoxide emission. The data collected shall be maintained on-site for a minimum of 5 years.

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 270.9 tons per year

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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



**Condition 70: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 70.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 70.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The Combustion Turbine shall be limited to a maximum design heat input rate of 2,221 million BTU per hour when firing natural gas, based upon the higher heating value (HHV) of the fuel.

Parameter Monitored: HEAT INPUT

Upper Permit Limit: 2221 million BTUs per hour

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 71: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 71.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 71.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The Combustion Turbine shall be limited to a maximum design heat input rate of 2,125 million BTU per hour when firing distillate oil, based upon the higher heating value (HHV) of the fuel.

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Parameter Monitored: HEAT INPUT  
Upper Permit Limit: 2125 million BTUs per hour  
Monitoring Frequency: CONTINUOUS  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY  
TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 72: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 72.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

**Item 72.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for ammonia slip. This condition applies to all combustion turbine/duct burner operating scenarios. The data collected shall be maintained on-site for a minimum of five years.

Manufacturer Name/Model Number: Ammonia Analyzer

Parameter Monitored: AMMONIA

Upper Permit Limit: 5.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

**Condition 73: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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



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**Item 73.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 007664-93-9      SULFURIC ACID

**Item 73.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to sulfuric acid mist emissions while the combustion turbine fires natural gas with or without the duct burner firing. The data collected shall be maintained on-site for a minimum of five years.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 0.0004 pounds per million Btus

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 74: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 74.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 74.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The duct burner (DB001) shall operate for a maximum of 4380 hours during any 12 month consecutive period. The owner or operator shall maintain duct burner hours of operation records on-site for a minimum of five years.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 4380 hours

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Monitoring Frequency: DAILY  
Averaging Method: 12-month total, rolled monthly  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 75: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 75.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):  
CAS No: 007664-93-9      SULFURIC ACID

**Item 75.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to sulfuric acid mist emissions while the combustion turbine fires distillate oil with or without the duct burner firing. The data collected shall be maintained on-site for a minimum of five years.

Parameter Monitored: SULFURIC ACID  
Upper Permit Limit: 0.015 pounds per million Btus  
Reference Test Method: 40 CFR Part 60  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 76: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 76.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 76.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The combustion turbine shall fire a maximum of 10,928,571 gallons of distillate oil during any 12 month consecutive period. The owner or operator shall maintain combustion turbine fuel oil use records on-site for a maximum of five years.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL OIL

Upper Permit Limit: 10,928,571 gallons per year

Monitoring Frequency: DAILY

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 77: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 77.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 77.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combustion turbine shall not operate below 75% load except during periods of start-up, shutdown, or malfunction.

Combustion turbine transient load drops below the 75% load set point would not constitute a permit violation; provided that the NOx and CO emissions are maintained, during these load drop events, at the operating load permitted emission limitations' level. Compliance shall be demonstrated by using CEMS. (Stephen Riva letter to Thomas Grace dated August 18, 2010.)

The owner or operator shall maintain percent load operations records on-site for a minimum of five years.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)



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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to sulfuric acid mist emissions while the combustion turbine fires distillate oil with or without the duct burner firing. The data collected shall be maintained on-site for a minimum of five years.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 31.9 pounds per hour

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 80: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:40 CFR Part 64**

**Item 80.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 80.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As part of the facility's Compliance Assurance Monitoring (CAM) Plan for the catalytic oxidizer, the facility will perform annual external inspections of the catalytic oxidizer catalyst and annual inspections of the catalyst's upstream face for wear and structural integrity. Maintenance shall be performed as needed.

An excursion is defined as any instance where the observation indicates that the oxidizer is structurally unsound.

A written or electronic log of every inspection will be maintained at the facility for at least five years.

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Monitoring Frequency: ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 81: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable Federal Requirement:40 CFR Part 64**

**Item 81.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

**Item 81.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As part of the facility's Compliance Assurance Monitoring (CAM) Plan for the Catalytic Oxidizer, the facility will have the condition of the catalyst assessed annually.

The analysis will consist of evaluations of a sample of the catalyst. Conversion Efficiency (by FID or equivalent), Surface Area, and Contamination (Inductively Coupled Plasma (ICP)) results will be compared against the manufacturer's existing knowledge base.

An excursion is defined as any instance where the analysis results in a recommendation that corrective action be taken.

A written or electronic record of every analysis and corrective action taken will be maintained at the facility for at least five years.

Manufacturer Name/Model Number: Catalytic Oxidizer

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 82: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**



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

**Item 82.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P01

Regulated Contaminant(s):

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

**Item 82.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires natural gas without the duct burner firing. The data collected shall be maintained on-site for five years.

Parameter Monitored: PM-10

Upper Permit Limit: 11.7 pounds per hour

Reference Test Method: Method 201A and 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 83: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 83.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P01

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 83.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain,

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and operate a continuous emission monitor for carbon monoxide. This condition applies while the combustion turbine is firing natural gas with no duct burner firing. The data collected shall be maintained on-site for a minimum of five years.

Manufacturer Name/Model Number: CO Analyzer  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 2.0 parts per million by volume  
(dry, corrected to 15% O2)

Reference Test Method: 40 CFR Part 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 84: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 84.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P01

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

**Item 84.2:**

Compliance Certification shall include the following monitoring:

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

The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitor for carbon monoxide. This condition applies while the combustion turbine is firing natural gas with no duct burner firing. The data collected shall be maintained on-site for a minimum of five years.

Manufacturer Name/Model Number: CO Analyzer  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 0.0047 pounds per million Btus  
Reference Test Method: 40 CFR Part 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.



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The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 85: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 85.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P01

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

**Item 85.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires natural gas without the duct burner firing. The data collected shall be maintained on-site for five years.

Parameter Monitored: PM-10

Upper Permit Limit: 0.0055 pounds per million Btus

Reference Test Method: Method 201A and 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 86: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 86.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P01

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

**Item 86.2:**

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Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition limits VOC emissions while the combustion turbine is firing natural gas without duct firing. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: VOC

Upper Permit Limit: 3.5 pounds per hour

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 87: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 87.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P01

Regulated Contaminant(s):

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

**Item 87.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing natural gas with or without duct firing.

The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.0 parts per million by volume

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

Reference Test Method: 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

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Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

**Condition 88: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 88.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P01

Regulated Contaminant(s):

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

**Item 88.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing natural gas with or without duct firing.

The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.0076 pounds per million Btus

Reference Test Method: 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

**Condition 89: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 89.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P02

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**Item 89.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

While the Combustion Turbine is firing natural gas, the Heat Recovery Steam Generator may combust natural gas in the duct burner up to a maximum heat input capacity of 494 mmBTU/hr, higher heating value.

Manufacturer Name/Model Number: Heat Recovery Steam Generator

Parameter Monitored: HEAT INPUT

Upper Permit Limit: 494 million BTUs per hour

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 90: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 90.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P02

Regulated Contaminant(s):

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

**Item 90.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires natural gas with the duct burner firing. The data collected shall be maintained on-site for five years.

Parameter Monitored: PM-10

Upper Permit Limit: 0.0066 pounds per million Btus

Reference Test Method: Method 201A and 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 91: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 91.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P02

Regulated Contaminant(s):

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

**Item 91.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires natural gas with the duct burner firing. The data collected shall be maintained on-site for five years.

Parameter Monitored: PM-10

Upper Permit Limit: 17.0 pounds per hour

Reference Test Method: Method 201A and 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 92: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 92.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P02

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

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Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



**Item 92.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitor for carbon monoxide. This condition applies while the combustion turbine is firing natural gas with the duct burner firing.

The data collected shall be maintained on-site for a minimum of five years.

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 2.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

**Condition 93: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 93.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P02

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:

The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitor for carbon monoxide. This condition applies while the combustion turbine is firing natural gas with the duct burner firing.

The data collected shall be maintained on-site for a minimum of five years.

Manufacturer Name/Model Number: CO Analyzer

New York State Department of Environmental Conservation

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 0.0046 pounds per million Btus  
Reference Test Method: 40 CFR Part 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 94: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 94.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P02

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

**Item 94.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition limits VOC emissions while the combustion turbine is firing natural gas with duct firing. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: VOC  
Upper Permit Limit: 6.1 pounds per hour  
Reference Test Method: 40 CFR Part 60  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 95: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 95.1:**

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



Emission Unit: U-00001  
Process: P02

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

**Item 95.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing natural gas with or without duct firing.

The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx analyzer  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 0.0076 pounds per million Btus  
Reference Test Method: 40 CFR Part 75  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 3-HOUR ROLLING AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 96: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 96.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P02

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

**Item 96.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing natural gas with or without duct firing.



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Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx Analyzer  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 2.0 parts per million by volume  
(dry, corrected to 15% O2)  
Reference Test Method: 40 CFR Part 75  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 3-HOUR ROLLING AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 97: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 97.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P03

**Item 97.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

When the combustion turbine fires distillate oil the heat input is limited to 2125 mmBTU/hr - HHV.

Parameter Monitored: HEAT INPUT  
Upper Permit Limit: 2125 million BTUs per hour  
Monitoring Frequency: CONTINUOUS  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY  
TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 98: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 98.1:**

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



Emission Unit: U-00001  
Process: P03

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

**Item 98.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires distillate oil without the duct burner firing. The data collected shall be maintained on-site for five years.

Parameter Monitored: PM-10

Upper Permit Limit: 98.3 pounds per hour

Reference Test Method: Method 201A and 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 99: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 99.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P03

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

**Item 99.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires distillate oil at or greater than 90% load without the duct burner firing. The data collected shall be maintained on-site for five years.

Parameter Monitored: PM-10

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Upper Permit Limit: 0.051 pounds per million Btus  
Reference Test Method: Method 201A and 202  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 100: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 100.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P03

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

**Item 100.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires distillate oil at or above 75% but less than 90% load without the duct burner firing. The data collected shall be maintained on-site for five years.

Parameter Monitored: PM-10

Upper Permit Limit: 0.061 pounds per million Btus  
Reference Test Method: Method 201A and 202  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 101: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 101.1:**

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



Emission Unit: U-00001  
Process: P03

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

**Item 101.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for carbon monoxide.

This condition applies when the combustion turbine is firing oil at loads at or above 90%; without the duct burner firing.

The data collected shall be maintained on-site for a minimum of five years.

Manufacturer Name/Model Number: CO Analyzer  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 0.0050 pounds per million Btus  
Reference Test Method: 40 CFR Part 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 102: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 102.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P03

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

**Item 102.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 1-4722-04426/00007

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The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for carbon monoxide.

This condition applies when the combustion turbine is firing oil at loads at or above 75% but less than 90% - without the duct burner firing.

The data collected shall be maintained on-site for a minimum of five years.

Manufacturer Name/Model Number: CO Analyzer  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 4.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)  
Reference Test Method: 40 CFR Part 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 103: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 103.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P03

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

**Item 103.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitor for carbon monoxide. This condition applies while the combustion turbine is firing oil at or greater than 90% load with no duct burner firing. The data collected shall be maintained on-site for a minimum of five years.

Manufacturer Name/Model Number: CO Analyzer  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 2.0 parts per million by volume

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(dry, corrected to 15% O<sub>2</sub>)  
Reference Test Method: 40 CFR Part 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 104: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 104.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P03

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

**Item 104.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitor for carbon monoxide. This condition applies while the combustion turbine is firing oil at or above 75% but less than 90% load with no duct burner firing. The data collected shall be maintained on-site for a minimum of five years.

Manufacturer Name/Model Number: CO Analyzer  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 0.010 pounds per million Btus  
Reference Test Method: 40 CFR Part 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 105: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 105.1:**



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of five years.

Manufacturer Name/Model Number: NOx Analyzer  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 6.0 parts per million by volume  
(dry, corrected to 15% O2)

Reference Test Method: 40 CFR Part 75  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 3-HOUR ROLLING AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 107: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 107.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P03

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 owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing distillate oil without duct firing. The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx analyzer  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 0.025 pounds per million Btus  
Reference Test Method: 40 CFR Part 75  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 3-HOUR ROLLING AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 108: Compliance Certification**



**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 108.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P04

Regulated Contaminant(s):

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

**Item 108.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions while the combustion turbine fires distillate oil with the duct burner firing. The data collected shall be maintained on-site for five years.

Parameter Monitored: PM-10

Upper Permit Limit: 0.041 pounds per million Btus

Reference Test Method: Method 201A and 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 109: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 109.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P04

Regulated Contaminant(s):

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

**Item 109.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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This condition applies to PM-10 emissions while the combustion turbine fires distillate oil with the duct burner firing. The data collected shall be maintained on-site for five years.

Parameter Monitored: PM-10  
Upper Permit Limit: 100.3 pounds per hour  
Reference Test Method: Method 201A and 202  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 110: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 110.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P04

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

**Item 110.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for carbon monoxide.

This condition applies when the combustion turbine is firing oil at any loads at or between 75% and 100%; with the duct burner firing.

The data collected shall be maintained on-site for a minimum of five years.

Manufacturer Name/Model Number: CO Analyzer  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 4.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)  
Reference Test Method: 40 CFR Part 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE

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Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

**Condition 111: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 111.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P04

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 111.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitor for carbon monoxide. This condition applies while the combustion turbine is firing oil at any load at or between 75% and 100% when the duct burner is firing. The data collected shall be maintained on-site for a minimum of five years.

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.010 pounds per million Btus

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

**Condition 112: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 112.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P04

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Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



**Item 112.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

While the Combustion Turbine is firing fuel oil, the Heat Recovery Steam Generator may combust natural gas in the Duct Burner up to a maximum heat input capacity of 369 mmBTU/hr, higher heating value (HHV).

The owner or operator shall keep records of the heat rate of the duct burner when it fires in combination with the combustion turbine firing distillate oil. The owner or operator shall maintain duct burner heat rate records on-site for a minimum of five years.

Manufacturer Name/Model Number: Heat Recovery Steam Generator

Parameter Monitored: HEAT INPUT

Upper Permit Limit: 369 million BTUs per hour

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 113: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 113.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P04

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 113.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition limits VOC emissions while the combustion turbine is firing distillate oil with duct firing. The data collected shall be maintained on site for a minimum of five years.

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Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



Parameter Monitored: VOC  
Upper Permit Limit: 23.9 pounds per hour  
Reference Test Method: 40 CFR Part 60  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 114: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 114.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P04

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

**Item 114.2:**

Compliance Certification shall include the following monitoring:

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

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing distillate oil with duct firing. The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx Analyzer  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 6.8 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR Part 75  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 3-HOUR ROLLING AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 115: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**



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

**Item 115.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P04

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

**Item 115.2:**

Compliance Certification shall include the following monitoring:

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

The owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitor for oxides of nitrogen. This condition applies while the combustion turbine is firing distillate oil with duct firing. The data collected shall be maintained on site for a minimum of five years.

Manufacturer Name/Model Number: NOx analyzer  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 0.027 pounds per million Btus  
Reference Test Method: 40 CFR Part 75  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 3-HOUR ROLLING AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 116: Fuel Switching Definition**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 116.1:**

This Condition applies to Emission Unit: U-00001  
Process: P09

**Item 116.2:**

The owner or operator is required to define periods of fuel switching. Based on this definition, emission limits for NOx, CO, and Ammonia must be developed for both natural gas and distillate oil firing modes of combustion turbine operation. The facility must confirm that such rates do not result in violations of applicable NAAQS.

The facility is required to submit a permit modification with fuel switch data once 15 fuel switches occur.



**Condition 117: Startup - Shutdown Emission Limits**  
Effective between the dates of 01/12/2012 and 01/11/2017

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

**Item 117.1:**

This Condition applies to Emission Unit: U-00001  
Process: P09

**Item 117.2:**

Except for NOx, CO, and PM/PM-10, during any startup and shutdown of the combustion turbine, CLIEC shall comply with all mass emission limits set forth for normal operations (Section VIII of the PSD Permit). CLIEC shall also comply with the opacity limit during each startup and shutdown.

**Condition 118: Startup and Shutdown Definitions**  
Effective between the dates of 01/12/2012 and 01/11/2017

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

**Item 118.1:**

This Condition applies to Emission Unit: U-00001  
Process: P09

**Item 118.2:**

Startup for the combustion turbine is defined as the period beginning with the initial firing of the fuel on the combustion turbine combustor and ending at the time when the load has increased to 75% of base load.

**Item 118.3:**

Startups with the auxiliary boiler are defined as those starts in which the auxiliary boiler is operating; the air cooled condenser pressure is less than 15 inches of mercury absolute; the drum pressure is greater than or equal to 75 pounds per square inch (psig); and the IP drum pressure is at least 35 psig.

**Item 118.4:**

For any startup without the auxiliary boiler, the duration shall not exceed 199 minutes for any given cold startup (>48 hours since shut down); 199 minutes for any given warm startup (between 12 to 48 hours since shutdown); and 102 minutes for any given hot startup (12 hours or less since shutdown).

**Item 118.5:**

For any startup with the auxiliary boiler, the duration shall not exceed 115 minutes for any given cold startup (>48 hours since shutdown) or warm startup (between 12 to 48 hours since shutdown), and 102 minutes for any given hot startup (12 hours or less since shutdown).

**Item 118.6:**

Shutdown for the combustion turbine is defined as the period of time beginning with the load decreasing from 75% of peak rated load and ending with the cessation of operation of fuel flow to the combustion turbine. The duration of any shutdown shall not exceed 90 minutes.



**Condition 119: Compliance Certification**  
Effective between the dates of 01/12/2012 and 01/11/2017

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

**Item 119.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P09

**Item 119.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

During fuel switching, the Heat Recovery Steam Generator may combust natural gas in the duct burner up to a maximum heat input capacity of 369 mmBTU/hr, higher heating value (HHV).

The owner or operator shall keep records of the heat rate of the duct burner when it fires during fuel switching. The owner or operator shall maintain duct burner heat rate records on-site for a minimum of five years.

Manufacturer Name/Model Number: Heat Recovery Steam Generator  
Parameter Monitored: HEAT INPUT  
Upper Permit Limit: 369 million BTUs per hour  
Monitoring Frequency: CONTINUOUS  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 120: Compliance Certification**  
Effective between the dates of 01/12/2012 and 01/11/2017

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

**Item 120.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P09

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



**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



**Item 120.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

For natural gas startups with the auxiliary boiler,  
PM/PM-10 total emissions shall be limited to 51 lbs for  
cold and warm startups.

Parameter Monitored: PM-10

Upper Permit Limit: 51 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER  
OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 121: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 121.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

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

**Item 121.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For natural gas startups with the auxiliary boiler, NOx  
total emissions shall be limited to 191 lbs for cold and  
warm startups. Compliance shall be determined by taking  
the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 191 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER

**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



**OCCURRENCE**

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 122: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 122.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 122.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For natural gas startups with the auxiliary boiler, CO total emissions shall be limited to 1083 lbs for cold and warm startups. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 1083 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER  
OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 123: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 123.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

New York State Department of Environmental Conservation

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



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

**Item 123.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

For natural gas startups with or without the auxiliary boiler, PM/PM-10 total emissions shall be limited to 26 lbs for hot startups.

Parameter Monitored: PM-10

Upper Permit Limit: 26 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER  
OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 124: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 124.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

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

**Item 124.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For natural gas startups with or without the auxiliary boiler, NOx total emissions shall be limited to 127 lbs for hot startups. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 127 pounds

New York State Department of Environmental Conservation

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



Reference Test Method: 40 CFR 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 125: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 125.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P09

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

**Item 125.2:**

Compliance Certification shall include the following monitoring:

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

For natural gas startups with or without the auxiliary boiler, CO total emissions shall be limited to 891 lbs for hot startups. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 891 pounds  
Reference Test Method: 40 CFR 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 40 days after the reporting period.  
The initial report is due 8/9/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 126: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 126.1:**

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



Emission Unit: U-00001  
Process: P09

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

**Item 126.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

For fuel oil startups without the auxiliary boiler,  
PM/PM-10 total emissions shall be limited to 745 lbs for  
cold and warm startups.

Parameter Monitored: PM-10

Upper Permit Limit: 745 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER  
OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 127: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 127.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P09

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

**Item 127.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For fuel oil startups without the auxiliary boiler, NOx  
total emissions shall be limited to 1136 lbs for cold and  
warm startups. Compliance shall be determined by taking  
the total pounds per event as measured by CEMS.

**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

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Manufacturer Name/Model Number: NOx Analyzer  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 1136 pounds  
Reference Test Method: 40 CFR 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 128: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 128.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P09

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

**Item 128.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For fuel oil startups without the auxiliary boiler, CO total emissions shall be limited to 3757 lbs for cold and warm startups. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 3757 pounds  
Reference Test Method: 40 CFR 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 129: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

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Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



**Item 129.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

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

**Item 129.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

For fuel oil startups with the auxiliary boiler, PM/PM-10  
total emissions shall be limited to 557 lbs for cold and  
warm startups.

Parameter Monitored: PM-10

Upper Permit Limit: 557 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER  
OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 130: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 130.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

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:

For fuel oil startups with the auxiliary boiler, NOx,  
total emissions shall be limited to 413 lbs for cold and

**New York State Department of Environmental Conservation**

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warm startups. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 413 pounds  
Reference Test Method: 40 CFR 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 131: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 131.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P09

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

**Item 131.2:**

Compliance Certification shall include the following monitoring:

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

For fuel oil startups with the auxiliary boiler, CO total emissions shall be limited to 1781 lbs for cold and warm startups. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 1781 pounds  
Reference Test Method: 40 CFR 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 132: Compliance Certification**



**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 132.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

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

**Item 132.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For fuel oil startups with or without the auxiliary boiler, NOx total emissions shall be limited to 277 lbs for hot startups. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 277 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 133: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 133.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

CAS No: 000630-08-0      CARBON MONOXIDE

**Item 133.2:**

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For fuel oil startups with or without the auxiliary boiler, CO total emissions shall be limited to 1520 lbs for hot startups. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 1520 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 134: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 134.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

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

**Item 134.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

For fuel oil startups with or without the auxiliary boiler, PM/PM-10 total emissions shall be limited to 266 lbs for hot startups.

Parameter Monitored: PM-10

Upper Permit Limit: 266 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.



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

**Condition 135: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 135.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P09

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

**Item 135.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

For each shutdown while the combustion turbine is firing  
fuel oil, PM/PM-10 total emissions shall not exceed 113  
lbs.

Parameter Monitored: PM-10  
Upper Permit Limit: 113 pounds  
Reference Test Method: 40 CFR 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER  
OCCURRENCE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 136: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 136.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P09

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

**Item 136.2:**

**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For each shutdown while the combustion turbine is firing fuel oil, NOx total emissions shall not exceed 156 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 156 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 137: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 137.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

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:

For each shutdown while the combustion turbine is firing fuel oil, CO emissions shall not exceed 850 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 850 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 138: Compliance Certification**  
Effective between the dates of 01/12/2012 and 01/11/2017

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

**Item 138.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

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

**Item 138.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

For natural gas startups without the auxiliary boiler,  
PM/PM-10 total emissions shall be limited to 75 lbs for  
cold and warm startups.

Parameter Monitored: PM-10

Upper Permit Limit: 75 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER  
OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 139: Compliance Certification**  
Effective between the dates of 01/12/2012 and 01/11/2017

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

**Item 139.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

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

**Item 139.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For natural gas startups without the auxiliary boiler, NOx total emissions shall be limited to 488 lbs for cold and warm startups. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 488 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 140: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 140.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 140.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For natural gas startups without the auxiliary boiler, CO total emissions shall be limited to 2813 lbs for cold and warm startups. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 2813 pounds

Reference Test Method: 40 CFR 60

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Monitoring Frequency: CONTINUOUS  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER  
OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 141: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 141.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P09

**Item 141.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

The total number of startup-shutdown cycles for the  
combustion turbine shall be limited to 260 during any  
consecutive 12 month period.

Monitoring Frequency: CONTINUOUS  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 142: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 142.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P09

**Item 142.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

The number of startup-shutdown cycles for the combustion  
turbine operating on oil shall be limited to 20 during any

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consecutive 12 month period.

Monitoring Frequency: CONTINUOUS  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 143: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 143.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P09

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

**Item 143.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For each shutdown while the combustion turbine is firing natural gas, NOx total emissions shall not exceed 77 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 77 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 144: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 144.1:**

The Compliance Certification activity will be performed for:



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Emission Unit: U-00001  
Process: P09

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

**Item 144.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For each shutdown while the combustion turbine is firing natural gas, CO total emissions shall not exceed 511 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: CO Analyzer

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 511 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 145: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 145.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001  
Process: P09

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

**Item 145.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

For each shutdown while the combustion turbine is firing natural gas, PM/PM-10 total emissions shall not exceed 12 lbs.

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Parameter Monitored: PM-10

Upper Permit Limit: 12 pounds

Reference Test Method: 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 146: Compliance Certification**  
Effective between the dates of 01/12/2012 and 01/11/2017

**Applicable Federal Requirement:40 CFR Part 64**

**Item 146.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: EP001

Regulated Contaminant(s):

CAS No: 0NY998-00-0

VOC

CAS No: 000630-08-0

CARBON MONOXIDE

**Item 146.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

As part of the facility's Compliance Assurance Monitoring (CAM) Plan for the catalytic oxidizer, the facility will monitor the temperature, at a point between the catalyst bed and the exit stack, with a thermocouple. The indicator range is a minimum temperature of 400 degrees F, when the CT is firing at greater than 75% load. The temperature is monitored continuously with a "k" type thermocouple; with a minimum accuracy of +/- 1%.

Excursions will trigger an inspection, corrective action, and reporting.

No monitoring is required for times when the combustion turbine is not operating.

A written or electronic log of every inspection and corrective action will be maintained at the facility for at least five years.

Manufacturer Name/Model Number: Oxidation Catalyst

Parameter Monitored: TEMPERATURE

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Lower Permit Limit: 400 degrees Fahrenheit  
Reference Test Method: 40 CFR 60  
Monitoring Frequency: CONTINUOUS  
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED  
VALUE - SEE MONITORING DESCRIPTION  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 147: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 147.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

**Item 147.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

The auxiliary boiler shall fire for a maximum of 4800 hours during any 12 month consecutive period. The auxiliary boiler shall not operate when the combustion turbine operates except during periods of combustion turbine start-up. The owner or operator shall maintain auxiliary boiler hours of operation records on site for a minimum of five years.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 4800 hours

Monitoring Frequency: DAILY

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 148: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 148.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

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Process: P05

Regulated Contaminant(s):

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

**Item 148.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to oxides of nitrogen emissions when the auxiliary boiler is firing natural gas. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.011 pounds per million Btus

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 149: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 149.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: P06

**Item 149.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The boiler may fire up to 400 hours per year (out of the 4800 hours per year limitation) on distillate oil during any 12 month consecutive period. The auxiliary boiler shall not operate when the combustion turbine operates except during periods of combustion turbine start-up. The owner or operator shall maintain auxiliary boiler hours of operation records on site for a minimum of five years.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 400 hours

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Monitoring Frequency: DAILY  
Averaging Method: 12-month total, rolled monthly  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 150: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 150.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002  
Process: P06

**Item 150.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

The auxiliary boiler shall fire a maximum of 95,714 gallons of distillate oil during any 12 month consecutive period. The owner or operator shall maintain auxiliary boiler fuel oil use records on site for a minimum of five years.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL OIL

Upper Permit Limit: 95,714 gallons per year

Monitoring Frequency: DAILY

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 151: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 151.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002  
Process: P06

Regulated Contaminant(s):



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

**Item 151.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to oxides of nitrogen emissions when the auxiliary boiler is firing distillate oil. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 152: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 152.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: EP002

Process: P05

Regulated Contaminant(s):

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

**Item 152.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions when the auxiliary boiler is firing natural gas. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: PM-10

Upper Permit Limit: 0.0033 pounds per million Btus

Reference Test Method: Method 201A & 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 153: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 153.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002                      Emission Point: EP002  
Process: P05

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

**Item 153.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to carbon monoxide emissions when the auxiliary boiler is firing natural gas. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 0.036 pounds per million Btus  
Reference Test Method: 40 CFR Part 60  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 154: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 154.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002                      Emission Point: EP002  
Process: P06

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

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**Item 154.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions when the auxiliary boiler is firing distillate oil. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: PM-10

Upper Permit Limit: 0.015 pounds per million Btus

Reference Test Method: Method 201A & 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 155: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 155.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: EP002

Process: P06

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

**Item 155.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to carbon monoxide emissions when the auxiliary boiler is firing distillate oil. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.039 pounds per million Btus

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.





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

**Condition 156: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 156.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: EP002  
Process: P06

**Item 156.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired boilers which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack for each boiler which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
  - date and time of day
  - observer's name
  - identity of emission point
  - weather condition
  - was a plume observed?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

- 3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in

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the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

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

Monitoring Frequency: DAILY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 157: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 157.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-00003                      Emission Point: EP003

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

**Item 157.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

This condition applies to PM-10 emissions from the fuel gas heater. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: PM-10  
Upper Permit Limit: 0.0088 pounds per million Btus  
Reference Test Method: Method 201A & 202  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 158: Compliance Certification**  
Effective between the dates of 01/12/2012 and 01/11/2017

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

**Item 158.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: EP003

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

**Item 158.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to carbon monoxide emissions from the fuel gas heater. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.098 pounds per million Btus

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 159: Compliance Certification**  
Effective between the dates of 01/12/2012 and 01/11/2017

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

**Item 159.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: EP003

**Item 159.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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This condition applies to oxides of nitrogen emissions from the fuel gas heater. The data collected shall be maintained on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 0.050 pounds per million Btus  
Reference Test Method: 40 CFR Part 60  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 160: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 160.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: EP004

**Item 160.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The diesel fire pump shall fire a maximum of 6,000 gallons of distillate oil during any 12 month consecutive period. The owner or operator shall maintain diesel fire pump fuel oil use records on site for a minimum of five years.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL OIL

Upper Permit Limit: 6,000 gallons per year

Monitoring Frequency: DAILY

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 161: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 161.1:**

**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: EP004

**Item 161.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The diesel fire pump shall be restricted to operating four hours per day maximum (not to exceed 375 hours per year). The owner or operator shall maintain diesel fire pump hours of operation records on site for a minimum of five years.

Work Practice Type: HOURS PER DAY OPERATION

Upper Permit Limit: 4 hours

Monitoring Frequency: DAILY

Averaging Method: 24 HOUR MAXIMUM

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 162: Compliance Certification**

**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 162.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: EP004

**Item 162.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The diesel fire pump shall be limited to 375 hours per year of operation on a 12 month rolling basis. The owner or operator shall maintain diesel fire pump hours of operation records on site for a minimum of five years.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 375 hours

Monitoring Frequency: DAILY

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 163: Compliance Certification**  
Effective between the dates of 01/12/2012 and 01/11/2017

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

**Item 163.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003                      Emission Point: EP004

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

**Item 163.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to PM-10 emissions from the diesel fire pump. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: PM-10

Upper Permit Limit: 0.03 pounds per million Btus

Reference Test Method: Method 201A & 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 164: Compliance Certification**  
Effective between the dates of 01/12/2012 and 01/11/2017

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

**Item 164.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003                      Emission Point: EP004

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

**Item 164.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



Monitoring Description:

This condition applies to carbon monoxide emissions from the diesel fire pump. The data collected shall be maintained on site for a minimum of five years.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.09 pounds per million Btus

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 165: Compliance Certification**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 165.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: EP004

**Item 165.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to oxides of nitrogen emissions from the diesel fire pump. The data collected shall be maintained on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 1.97 pounds per million Btus

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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 166: Contaminant List**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable State Requirement:ECL 19-0301**

**Item 166.1:**

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: 007446-09-5  
Name: SULFUR DIOXIDE

CAS No: 007664-41-7  
Name: AMMONIA

CAS No: 007664-93-9  
Name: SULFURIC ACID

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

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

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

**Condition 167: Unavoidable noncompliance and violations  
Effective between the dates of 01/12/2012 and 01/11/2017**

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

**Item 167.1:**

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

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

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



reporting and notification provisions for applicable requirements more stringent than those above.

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

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

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

**Condition 168: Visible Emissions Limited**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 168.1:**

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

**Condition 169: Compliance Demonstration**  
**Effective between the dates of 01/12/2012 and 01/11/2017**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 169.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 169.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



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

- 1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
  - weather condition
  - was a plume observed?

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

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

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

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.



The initial report is due 7/30/2012.  
Subsequent reports are due every 6 calendar month(s).

