



**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:

Expiration Date:

Permit Type: Air Title V Facility  
Permit ID: 1-4722-04426/00007  
Effective Date:

Expiration Date:

Permit Issued To: CAITHNESS LONG ISLAND LLC  
565 5TH AVE FL 29  
NEW YORK, NY 10017

Contact: GARY KEEVILL  
CAITHNESS LONG ISLAND LLC  
565 5TH AVE FL 29  
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 FL 29  
NEW YORK, NY 10017  
(917) 472-4593

**Description:**

This is a renewal of the Title IV & 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:           ROGER EVANS  
  NYSDEC - REGION 1 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

**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 the expiration of permits for Title V and State Facility Permits.

**Item 3.3**

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



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

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

**Item 4.1:**

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

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

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

**Condition 5: Submission of application for permit modification or renewal - REGION 1 HEADQUARTERS**  
**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 5.1:**

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 5TH AVE FL 29  
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:

Permit Expiration Date:



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR Subpart 201-6: Compliance Certification
- 23 6 NYCRR Subpart 201-6: Compliance Certification
- 24 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 25 6 NYCRR 211.1: Air pollution prohibited
- 26 6 NYCRR 225-1.2: Compliance Certification
- 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 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 32 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 33 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
- 34 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 35 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 36 40CFR 60.12, NSPS Subpart A: Circumvention.
- 37 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 38 40CFR 60.14, NSPS Subpart A: Modifications.
- 39 40CFR 60.15, NSPS Subpart A: Reconstruction
- 40 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations and Permitting
- 41 40CFR 97.406, Subpart AAAAA: Compliance Certification
- 42 40CFR 97.506, Subpart BBBBB: Compliance Certification





43 40CFR 97.606, Subpart CCCCC: Compliance Certification

**Emission Unit Level**

44 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit

45 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

**EU=U-00001**

46 6 NYCRR Subpart 201-6: Compliance Certification

47 6 NYCRR Subpart 201-6: Compliance Certification

48 6 NYCRR Subpart 201-6: Compliance Certification

49 6 NYCRR Subpart 201-6: Compliance Certification

50 6 NYCRR Subpart 201-6: Compliance Certification

51 6 NYCRR Subpart 201-6: Compliance Certification

52 6 NYCRR Subpart 201-6: Compliance Certification

53 6 NYCRR Subpart 201-6: Compliance Certification

54 6 NYCRR Subpart 201-6: Compliance Certification

55 40 CFR Part 64: Compliance Certification

56 40 CFR Part 64: Compliance Certification

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

57 6 NYCRR Subpart 201-6: Compliance Certification

58 6 NYCRR Subpart 201-6: Compliance Certification

59 6 NYCRR Subpart 201-6: Compliance Certification

60 6 NYCRR Subpart 201-6: Compliance Certification

61 6 NYCRR Subpart 231-2: Compliance Certification

62 6 NYCRR Subpart 231-2: Compliance Certification

63 6 NYCRR Subpart 231-2: Compliance Certification

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

64 6 NYCRR Subpart 201-6: Compliance Certification

65 6 NYCRR Subpart 201-6: Compliance Certification

66 6 NYCRR Subpart 201-6: Compliance Certification

67 6 NYCRR Subpart 201-6: Compliance Certification

68 6 NYCRR Subpart 231-2: Compliance Certification

69 6 NYCRR Subpart 231-2: Compliance Certification

70 6 NYCRR Subpart 231-2: Compliance Certification

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

71 6 NYCRR Subpart 201-6: Compliance Certification

72 6 NYCRR Subpart 201-6: Compliance Certification

73 6 NYCRR Subpart 201-6: Compliance Certification

74 6 NYCRR Subpart 201-6: Compliance Certification

75 6 NYCRR Subpart 201-6: Compliance Certification

76 6 NYCRR Subpart 201-6: Compliance Certification

77 6 NYCRR Subpart 201-6: Compliance Certification

78 6 NYCRR Subpart 231-2: Compliance Certification

79 6 NYCRR Subpart 231-2: Compliance Certification

80 6 NYCRR Subpart 231-2: Compliance Certification

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

81 6 NYCRR Subpart 201-6: Compliance Certification

82 6 NYCRR Subpart 201-6: Compliance Certification

83 6 NYCRR Subpart 201-6: Compliance Certification



- 84 6 NYCRR Subpart 201-6: Compliance Certification
- 85 6 NYCRR Subpart 231-2: Compliance Certification
- 86 6 NYCRR Subpart 231-2: Compliance Certification
- 87 6 NYCRR Subpart 231-2: Compliance Certification

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

- 88 6 NYCRR Subpart 201-6: Startup - Shutdown Emission Limits
- 89 6 NYCRR Subpart 201-6: Startup and Shutdown Definitions
- 90 6 NYCRR Subpart 201-6: Compliance Certification
- 91 6 NYCRR Subpart 201-6: Compliance Certification
- 92 6 NYCRR Subpart 201-6: Compliance Certification
- 93 6 NYCRR Subpart 201-6: Compliance Certification
- 94 6 NYCRR Subpart 201-6: Compliance Certification
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- 105 6 NYCRR Subpart 201-6: Compliance Certification
- 106 6 NYCRR Subpart 201-6: Compliance Certification
- 107 6 NYCRR Subpart 201-6: Compliance Certification
- 108 6 NYCRR Subpart 201-6: Compliance Certification
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- 111 6 NYCRR Subpart 201-6: Compliance Certification
- 112 6 NYCRR Subpart 201-6: Compliance Certification
- 113 6 NYCRR Subpart 201-6: Compliance Certification
- 114 6 NYCRR Subpart 201-6: Compliance Certification
- 115 6 NYCRR Subpart 201-6: Compliance Certification

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

- 116 40 CFR Part 64: Compliance Certification

**EU=U-00002**

- 117 6 NYCRR Subpart 201-6: Compliance Certification

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

- 118 6 NYCRR Subpart 231-2: Compliance Certification

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

- 119 6 NYCRR Subpart 201-6: Compliance Certification
- 120 6 NYCRR Subpart 201-6: Compliance Certification
- 121 6 NYCRR Subpart 231-2: Compliance Certification

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

- 122 6 NYCRR Subpart 201-6: Compliance Certification



123 6 NYCRR Subpart 201-6: Compliance Certification

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

124 6 NYCRR Subpart 201-6: Compliance Certification

125 6 NYCRR Subpart 201-6: Compliance Certification

126 6 NYCRR 227-1.3: Compliance Certification

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

127 6 NYCRR Subpart 201-6: Compliance Certification

128 6 NYCRR Subpart 201-6: Compliance Certification

129 6 NYCRR Subpart 201-6: Compliance Certification

130 6 NYCRR Subpart 201-6: Compliance Certification

131 6 NYCRR Subpart 201-6: Compliance Certification

132 6 NYCRR Subpart 231-2: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

133 ECL 19-0301: Contaminant List

134 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

135 6 NYCRR 211.2: Visible Emissions Limited

136 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: 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 B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)**

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

**Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)**

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

**Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)**

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

**Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and



reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

**Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)**

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

**Item G: Property Rights - 6 NYCRR 201-6.4 (a) (6)**

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

**Item H: Severability - 6 NYCRR 201-6.4 (a) (9)**

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

**Item I: Permit Shield - 6 NYCRR 201-6.4 (g)**

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

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



facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

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

**Item J: Reopening for Cause - 6 NYCRR 201-6.4 (i)**

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

i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of 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 the 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 section 201- 6.6 of this Subpart.

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 K: 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 L: 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 for entire length of Permit**

**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







reports required by the permit.

**Condition 5: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)**

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements,



the report shall be contained in the 6 month monitoring report required above.

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual



report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 6: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 201-6.4 (e)**

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



and

- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

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

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

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

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer  
NYSDEC- Region 1 Headquarters  
Stony Brook University  
50 Circle Road  
Stony Brook, NY 11790-3409

The address for the BQA is as follows:

NYSDEC













**Condition 17: Off Permit Changes**  
**Effective for entire length of Permit**

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

**Item 17.1:**

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

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change 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 201-6.4 shall not apply to any change made pursuant to this paragraph.

**Condition 18: Required Emissions Tests**  
**Effective for entire length of Permit**

**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 for entire length of Permit**

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

**Item 19.1:**

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

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;



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b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

**Condition 20:      Recycling and Emissions Reduction  
Effective for entire length of Permit**

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

**Item 20.1:**

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

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

**Condition 21:      Emission Unit Definition  
Effective for entire length of Permit**

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

**Item 21.1:**

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

Emission Unit: U-00001

Emission Unit Description:

This emission unit consists of one Siemens-Westinghouse 501F combustion turbine and a duct fired HRSG. The combustion turbine will fire primarily natural gas with distillate oil back-up. The duct burner is limited to firing only natural gas. The turbine uses dry low NOx technology in combination with a SCR to control emissions 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:

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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 diesel fire pump.

**Condition 22: Compliance Certification  
Effective for entire length of Permit**

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

**Item 22.1:**

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

**Item 22.2:**

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:

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(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 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.

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

**Condition 23: Compliance Certification  
Effective for entire length of Permit**

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

**Item 23.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 23.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The annual CEMS Availability percentage shall be at or above 95%.

The CEMS Availability Percentage is calculated as the ratio of the total unit operating hours for which the CEMS provided quality assured data, to the source total unit operating hours during a specified period. Periods of calibration, maintenance, repair, or audit, up to a maximum of 40 hours per month, are excluded.

Parameter Monitored: HOURS OF OPERATION

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.



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

**Condition 24: Progress Reports Due Semiannually  
Effective for entire length of Permit**

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

**Item 24.1:**

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 25: Air pollution prohibited  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 25.1:**

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 26: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 225-1.2**

**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or

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after July 1, 2014 and are limited to the firing of distillate oil including number two heating oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016.

The department will require fuel analyses, information on the quantity of fuel received, fired or sold, and results of stack sampling, stack monitoring, and other procedures to ensure compliance with the provisions of this Subpart. All records must be maintained at the facility for a minimum of five years.

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.0015 percent by weight  
Monitoring Frequency: PER DELIVERY  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 3 calendar month(s).

**Condition 27: Compliance Certification  
Effective for entire length of Permit**

**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: EP004

**Item 27.2:**

Compliance Certification shall include the following monitoring:

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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.

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

**Condition 28: Compliance Certification  
Effective for entire length of Permit**

**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 obtained 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:

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

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

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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.

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

**Condition 29: Compliance Certification**  
**Effective for entire length of Permit**

**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 obtained 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:

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

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





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duct burner - MMBTU HHV
HIAB-NG = auxiliary boiler natural gas heat input - MMBTU HHV
HIAB-FO = auxiliary boiler fuel oil 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
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 30: Emission Reduction Credit Offsets
Effective for entire length of Permit

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: EPA Region 2 address.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 31.1:

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

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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 32: Recordkeeping requirements.  
Effective for entire length of Permit**

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

**Item 32.1:**

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 33: Compliance Certification  
Effective for entire length of Permit**

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

**Item 33.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 33.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: 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

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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.

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

**Condition 34: Prior notice.  
Effective for entire length of Permit**

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

**Item 34.1:**

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

**Condition 35: Opacity standard compliance testing.  
Effective for entire length of Permit**

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

**Item 35.1:**

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 36: Circumvention.  
Effective for entire length of Permit**

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





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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 40: Facility Subject to Title IV Acid Rain Regulations and Permitting**  
**Effective for entire length of Permit**

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

**Item 40.1: This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is an attachment to this permit.**

**Condition 41: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 97.406, Subpart AAAAA**

**Item 41.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.413 through 97.418 of Subpart AAAAA. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR NOx Annual source (facility) and each TR NOx Annual Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.430 through 97.435 of Subpart AAAAA and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are



submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR NOx Annual allowances and to determine compliance with the TR NOx Annual emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NOx Annual facility and each TR NOx Annual Unit at the facility shall hold, in the facilities compliance account, TR NOx Annual allowances available for deduction for such control period under §97.424(a) in an amount not less than the tons of total NOx emissions for such control period from all TR NOx Annual Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 42: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 97.506, Subpart BBBBB**

**Item 42.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.513 through 97.518 of Subpart BBBBB. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR NOx Ozone Season source (facility) and each TR NOx Ozone Season Unit at the facility shall comply with the



monitoring, reporting, and recordkeeping requirements of §§97.530 through 97.535 of Subpart BBBBBB and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR NO<sub>x</sub> Ozone Season allowances and to determine compliance with the TR NO<sub>x</sub> Ozone Season emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NO<sub>x</sub> Ozone Season facility and each TR NO<sub>x</sub> Ozone Season Unit at the facility shall hold, in the facilities compliance account, TR NO<sub>x</sub> Ozone Season allowances available for deduction for such control period under §97.524(a) in an amount not less than the tons of total NO<sub>x</sub> emissions for such control period from all TR NO<sub>x</sub> Ozone Season Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 43: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 97.606, Subpart CCCCC**

**Item 43.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with

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§§97.613 through 97.618 of Subpart CCCCC. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR SO<sub>2</sub> Group 1 source (facility) and each TR SO<sub>2</sub> Group 1 Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.630 through 97.635 of Subpart CCCCC and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR SO<sub>2</sub> Group 1 allowances and to determine compliance with the TR SO<sub>2</sub> Group 1 emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR SO<sub>2</sub> Group 1 facility and each TR SO<sub>2</sub> Group 1 Unit at the facility shall hold, in the facilities compliance account, TR SO<sub>2</sub> Group 1 allowances available for deduction for such control period under §97.624(a) in an amount not less than the tons of total SO<sub>2</sub> emissions for such control period from all TR SO<sub>2</sub> Group 1 Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

**Condition 44: Emission Point Definition By Emission Unit  
Effective for entire length of Permit**

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

**Item 44.1:**



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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.): 4520.168 NYTME (km.): 673.732 Building: GEN01

**Item 44.2:**

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.): 4520.169 NYTME (km.): 673.724 Building: GEN01

**Item 44.3:**

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

Emission Unit: U-00003

Emission Point: EP004

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

NYTMN (km.): 4520.09 NYTME (km.): 673.68

**Condition 45: Process Definition By Emission Unit  
Effective for entire length of Permit**

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

**Item 45.1:**

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 45.2:**

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

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Permit ID: 1-4722-04426/00007

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Process Description:

Combustion turbine firing natural gas in combination with 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 45.3:**

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 45.4:**

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

New York State Department of Environmental Conservation

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

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

**Item 45.5:**

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

Emission Unit: U-00001  
Process: P09  
Source Classification Code: 2-01-002-01  
Process Description:  
Startup, shutdown, and fuel switching of the combustion turbine for operations using either natural gas or distillate oil. Based on operational data, fuel switching is being treated as a "hot" startup on oil; with the same limits on duration and emissions.

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

**Item 45.6:**

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

Emission Unit: U-00002  
Process: P05  
Source Classification Code: 1-02-006-02  
Process Description: Auxiliary boiler firing natural gas.

Emission Source/Control: AUX01 - Combustion  
Design Capacity: 29.4 million Btu per hour

**Item 45.7:**

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

Emission Unit: U-00002  
Process: P06  
Source Classification Code: 1-02-005-02  
Process Description:  
Auxiliary boiler firing distillate oil. When the auxiliary boiler fires distillate oil the heat input is 28.0 mmBtu/hr (HHV).

Emission Source/Control: AUX01 - Combustion  
Design Capacity: 29.4 million Btu per hour

**Item 45.8:**

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

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 46: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

**Item 46.2:**

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: 1.1 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.  
Subsequent reports are due every 6 calendar month(s).

**Condition 47: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

**Item 47.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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Facility DEC ID: 1472204426



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

**Condition 48: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

**Item 48.2:**

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

**Condition 49: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 49.1:**



**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-00001

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

**Item 49.2:**

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.

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

**Condition 50:      Compliance Certification  
Effective for entire length of Permit**

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

**Item 50.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 50.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The duct burner (DB001) shall operate with a maximum annual heat input limit of 2,071,740 MMBtu during any 12 month consecutive period. The owner or operator shall maintain duct burner heat input records on-site for a minimum of five years.



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Parameter Monitored: HEAT INPUT  
Upper Permit Limit: 2071740 million British thermal  
units

Monitoring Frequency: DAILY  
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 51: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 51.2:**

Compliance Certification shall include the following monitoring:

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.

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

**Condition 52: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 52.2:**

Compliance Certification shall include the following monitoring:

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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 NO<sub>x</sub> 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)

Reports due 30 days after the reporting period.

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

**Condition 53: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 007664-93-9      SULFURIC ACID

**Item 53.2:**

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)



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Permit ID: 1-4722-04426/00007

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Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 54: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

**Item 54.2:**

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

**Condition 55: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

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**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.

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

**Condition 56: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 56.1:**

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 56.2:**

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.

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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.

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

**Condition 57: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 57.1:**

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 57.2:**

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: 3-hour average  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 58: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 58.1:**

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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 58.2:**

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.

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

**Condition 59: Compliance Certification  
Effective for entire length of Permit**

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

**Item 59.1:**

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 59.2:**

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



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

**Condition 60: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 60.1:**

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 60.2:**

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: 3-hour average  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 61: Compliance Certification**  
**Effective for entire length of Permit**

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

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**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P01

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 61.2:**

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 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.

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

**Condition 62: Compliance Certification  
Effective for entire length of Permit**

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

**Item 62.1:**

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 62.2:**

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

**Condition 63: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 63.1:**

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 63.2:**

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

**Condition 64: Compliance Certification**  
**Effective for entire length of Permit**



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

**Item 64.1:**

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 64.2:**

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

**Condition 65: Compliance Certification  
Effective for entire length of Permit**

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

**Item 65.1:**

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 65.2:**

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:

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: 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.

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

**Condition 66: Compliance Certification  
Effective for entire length of Permit**

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

**Item 66.1:**

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 66.2:**

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: 3-hour average

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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



**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

**Condition 67: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 67.1:**

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 67.2:**

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: 3-hour average

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 68: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P02

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 68.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

This condition limits VOC emissions 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.

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.

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

**Condition 69: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 69.1:**

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 69.2:**

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.

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

**Condition 70: Compliance Certification**  
**Effective for entire length of Permit**



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

**Item 70.1:**

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 70.2:**

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  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 3 calendar month(s).

**Condition 71: Compliance Certification  
Effective for entire length of Permit**

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

**Item 71.1:**

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 71.2:**

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: 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: 2-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 72: Compliance Certification  
Effective for entire length of Permit**

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

**Item 72.1:**

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 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 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



**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

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

**Condition 73: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 73.1:**

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 73.2:**

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

**Condition 74: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 74.1:**



**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-00001

Process: P03

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 74.2:**

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  
(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.

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

**Condition 75: Compliance Certification  
Effective for entire length of Permit**

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

**Item 75.1:**

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 75.2:**

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

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Facility DEC ID: 1472204426



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

**Condition 76: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 76.1:**

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 76.2:**

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  
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: 2-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 77: Compliance Certification**  
**Effective for entire length of Permit**

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



**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



**Item 77.1:**

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 77.2:**

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: 2-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 78: Compliance Certification  
Effective for entire length of Permit**

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

**Item 78.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P03

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 78.2:**

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 without duct firing. The data collected shall be maintained on site for a minimum of five years.



**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

Parameter Monitored: VOC  
Upper Permit Limit: 11.9 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.  
Subsequent reports are due every 6 calendar month(s).

**Condition 79: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 79.1:**

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 79.2:**

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

**Condition 80: Compliance Certification**  
**Effective for entire length of Permit**

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

**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



**Item 80.1:**

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 80.2:**

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.

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

**Condition 81: Compliance Certification  
Effective for entire length of Permit**

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

**Item 81.1:**

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 81.2:**

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



**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

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: 2-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 82: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 82.1:**

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 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 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: 2-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 83: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 83.1:**

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: P04

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, caliubrate, 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  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 3 calendar month(s).

**Condition 84: Compliance Certification  
Effective for entire length of Permit**

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

**Item 84.1:**

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 84.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



**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.

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

**Condition 85: Compliance Certification  
Effective for entire length of Permit**

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

**Item 85.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P04

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 85.2:**

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.

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.

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

**Condition 86: Compliance Certification**



**Effective for entire length of Permit**

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

**Item 86.1:**

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 86.2:**

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

**Condition 87: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 87.1:**

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 87.2:**

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:

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.

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

**Condition 88: Startup - Shutdown Emission Limits  
Effective for entire length of Permit**

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

**Item 88.1:**

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

**Item 88.2:**

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 89: Startup and Shutdown Definitions  
Effective for entire length of Permit**

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

**Item 89.1:**

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

**Item 89.2:**

Startup for the combustion turbine is defined as the period beginning with the initial firing of the fuel in the combustion turbine combustor and ending at the time when the load has increased to 75% of base load, or when fuel flow to the combustion turbine has ceased, which ever occurs first.



**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



**Item 89.3:**

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 HP 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 89.4:**

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 89.5:**

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 89.6:**

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 or fuel flow to the combustion turbine. The duration of any shutdown shall not exceed 90 minutes.

**Condition 90: Compliance Certification  
Effective for entire length of Permit**

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

**Item 90.1:**

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 90.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For cold and warm startups on natural gas without the auxiliary boiler, NOx total emissions shall be limited to 488 lbs. Compliance shall be determined by taking the total pounds per event as measured by CEMS.

Manufacturer Name/Model Number: NOx Analyzer



**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

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

**Condition 91: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 91.1:**

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 91.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For cold and warm startups on natural gas without the auxiliary boiler, CO total emissions shall be limited to 2813 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: 2813 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.  
Subsequent reports are due every 6 calendar month(s).

**Condition 92: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 92.1:**

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: 0NY210-00-0 OXIDES OF NITROGEN

**Item 92.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For cold and warm startups on natural gas with the auxiliary boiler, NOx total emissions shall be limited to 191 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: 191 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.

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

**Condition 93: Compliance Certification  
Effective for entire length of Permit**

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

**Item 93.1:**

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 93.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For cold and warm startups on natural gas with the auxiliary boiler, CO total emissions shall be limited to 1083 lbs. 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

Facility DEC ID: 1472204426

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

**Condition 94: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 94.1:**

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 94.2:**

Compliance Certification shall include the following monitoring:

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

For hot startups on natural gas (with or without the auxiliary boiler), NOx total emissions shall be limited to 127 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: 127 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.  
Subsequent reports are due every 6 calendar month(s).

**Condition 95: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 95.1:**



**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-00001  
Process: P09

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

**Item 95.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For hot startups on natural gas (with or without the auxiliary boiler), CO total emissions shall be limited to 891 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: 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.

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

**Condition 96: Compliance Certification  
Effective for entire length of Permit**

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

**Item 96.1:**

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 96.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For cold and warm startups on fuel oil without the auxiliary boiler, NOx total emissions shall be limited to 1136 lbs. 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

Facility DEC ID: 1472204426



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

**Condition 97: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 97.1:**

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 97.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For cold and warm startups on fuel oil without the auxiliary boiler, CO total emissions shall be limited to 3757 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: 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.  
Subsequent reports are due every 6 calendar month(s).

**Condition 98: Compliance Certification**  
**Effective for entire length of Permit**

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

**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



**Item 98.1:**

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 98.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For cold and warm startups on fuel oil with the auxiliary boiler, NOx, total emissions shall be limited to 413 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: 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.

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

**Condition 99: Compliance Certification  
Effective for entire length of Permit**

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

**Item 99.1:**

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 99.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For cold and warm startups on fuel oil with the auxiliary boiler, CO total emissions shall be limited to 1781 lbs.

Compliance shall be determined by taking the total pounds



**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

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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.

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

**Condition 100: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 100.1:**

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 100.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For 1.) fuel switching and for 2.) hot startups on fuel oil (with or without the auxiliary boiler), NOx total emissions shall be limited to 277 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: 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.

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

**Condition 101: Compliance Certification**  
**Effective for entire length of Permit**





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

**Item 101.1:**

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 101.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For 1.) fuel switching and for 2.) hot startups on fuel oil (with or without the auxiliary boiler), CO total emissions shall be limited to 1520 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: 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.  
Subsequent reports are due every 6 calendar month(s).

**Condition 102: Compliance Certification  
Effective for entire length of Permit**

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

**Item 102.1:**

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 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

Facility DEC ID: 1472204426

For each shutdown while the combustion turbine is firing natural gas, NO<sub>x</sub> 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: NO<sub>x</sub> 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.  
Subsequent reports are due every 6 calendar month(s).

**Condition 103: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 103.1:**

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 103.2:**

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

**Condition 104: Compliance Certification**

**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



**Effective for entire length of Permit**

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

**Item 104.1:**

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 104.2:**

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, 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.

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

**Condition 105: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 105.1:**

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 105.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)



**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

**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  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 106: Compliance Certification  
Effective for entire length of Permit**

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

**Item 106.1:**

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 106.2:**

Compliance Certification shall include the following monitoring:

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

**Monitoring Description:**

For cold and warm startups on natural gas without the auxiliary boiler, PM/PM-10 total emissions shall be limited to 75 lbs.

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

**Condition 107: Compliance Certification**

**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



**Effective for entire length of Permit**

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

**Item 107.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

**Item 107.2:**

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.

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

**Condition 108: Compliance Certification  
Effective for entire length of Permit**

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

**Item 108.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P09

**Item 108.2:**

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 consecutive 12 month period.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 109: Compliance Certification  
Effective for entire length of Permit**

**New York State Department of Environmental Conservation**

Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426



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

**Item 109.1:**

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 109.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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.

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

**Condition 110: Compliance Certification  
Effective for entire length of Permit**

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

**Item 110.1:**

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 110.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

For cold and warm startups on natural gas with the



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auxiliary boiler, PM/PM-10 total emissions shall be limited to 51 lbs.

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

**Condition 111: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 111.1:**

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 111.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

**Condition 112: Compliance Certification**  
**Effective for entire length of Permit**

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







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

**Condition 114: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 114.1:**

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 114.2:**

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.

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

**Condition 115: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 115.1:**

The Compliance Certification activity will be performed for:



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

**Condition 117: Compliance Certification  
Effective for entire length of Permit**

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

**Item 117.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

**Item 117.2:**

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 1.) for periodic maintenance and testing operations; 2.) for operation of up to 2 hours prior to a shutdown of the combustion turbine in order to prepare for the shutdown and to maintain a steam blanket for the system, and 3.) for operation of up to 2 hours after completion of a combustion turbine startup to ensure that normal operating conditions have been reached.



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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.

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

**Condition 118: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 118.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: P05

Regulated Contaminant(s):

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

**Item 118.2:**

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.

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

**Condition 119: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 119.1:**



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Permit ID: 1-4722-04426/00007

Facility DEC ID: 1472204426

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: P06

**Item 119.2:**

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 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

Monitoring Frequency: DAILY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 120: Compliance Certification  
Effective for entire length of Permit**

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

**Item 120.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: P06

**Item 120.2:**

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

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Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 121: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 121.1:**

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 121.2:**

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

**Condition 122: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 122.1:**

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



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**Item 122.2:**

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: 3-hour average

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 123: Compliance Certification  
Effective for entire length of Permit**

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

**Item 123.1:**

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 123.2:**

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.

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



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**Condition 124: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 124.1:**

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

**Item 124.2:**

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: 2-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 125: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 125.1:**

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 125.2:**

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

**Condition 126: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 126.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002                      Emission Point: EP002  
Process: P06

**Item 126.2:**

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

**Condition 127: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 127.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-00003                      Emission Point: EP004

**Item 127.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:



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

**Condition 128: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 128.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: EP004

**Item 128.2:**

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

**Condition 129: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 129.1:**

The Compliance Certification activity will be performed for:

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Emission Unit: U-00003

Emission Point: EP004

**Item 129.2:**

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.

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

**Condition 130: Compliance Certification  
Effective for entire length of Permit**

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

**Item 130.1:**

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 130.2:**

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: 2-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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



**Condition 131: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 131.1:**

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 131.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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

**Condition 132: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 132.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: EP004

**Item 132.2:**

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

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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.  
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: Emergency Defense - 6 NYCRR 201-1.5**

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

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

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

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

(4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

**Item B: 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 133: Contaminant List**  
**Effective for entire length of Permit**

**Applicable State Requirement:ECL 19-0301**

**Item 133.1:**

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 134: Malfunctions and start-up/shutdown activities  
Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR 201-1.4**

**Item 134.1:**

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

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

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

**Condition 135: Visible Emissions Limited  
Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 135.1:**

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 136: Compliance Demonstration**  
**Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 136.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 136.2:**

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.

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

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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.

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