



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 7-3512-00005/00006  
Mod 0 Effective Date: 12/14/2015 Expiration Date: 12/13/2020  
Mod 1 Effective Date: 08/05/2016 Expiration Date: 12/13/2020

Permit Issued To: INDECK-OSWEGO LIMITED PARTNERSHIP  
600 NORTH BUFFALO GROVE RD  
BUFFALO GROVE, IL 60089-2432

Contact: JAMES SCHNEIDER  
INDECK ENERGY SERVICES  
600 NORTH BUFFALO GROVE RD # 300  
BUFFALO GROVE, IL 60089-2432  
(847) 520-3212

Facility: INDECK-OSWEGO ENERGY CENTER  
105 MITCHELL ST  
OSWEGO, NY 13126

Description:

This permit authorizes the following operational changes:

1. The permit allows operation of the GTs down to 50% load.
2. Use of the duct burner when firing oil in the GT.
3. Co-firing oil and gas in the GT, at the same time. During periods of co-firing, the stack limit is a pro-rated limit based on relative heat inputs. That is, the co-firing limit is a mix of the current limits for gas and oil.

Projected emissions from these changes are less than the significance level for all pollutants (e.g, less than 40 TPY NOx); the project does not re-trigger PSD.

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 7351200005**



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:           ELIZABETH A TRACY  
  615 ERIE BLVD WEST  
  SYRACUSE, NY 13204-2400

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
  - 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 7 HEADQUARTERS



**DEC GENERAL CONDITIONS**

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

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

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

**Condition 1: Facility Inspection by the Department**

**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**

**Applicable State Requirement: ECL 3-0301 (2) (m)**

**Item 2.1:**

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

**Condition 3: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

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



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

**Condition 1-1: Applications for permit renewals, modifications and transfers**  
**Applicable State Requirement: 6 NYCRR 621.11**

**Item 1-1.1:**

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

**Item 1-1.2:**

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 7 HEADQUARTERS**  
**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 7 Headquarters  
Division of Environmental Permits  
615 Erie Blvd West  
Syracuse, NY 13204-2400  
(315) 426-7400

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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: INDECK-OSWEGO LIMITED PARTNERSHIP  
600 NORTH BUFFALO GROVE RD  
BUFFALO GROVE, IL 60089-2432

Facility: INDECK-OSWEGO ENERGY CENTER  
105 MITCHELL ST  
OSWEGO, NY 13126

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

Mod 0 Permit Effective Date: 12/14/2015

Permit Expiration Date: 12/13/2020

Mod 1 Permit Effective Date: 08/05/2016

Permit Expiration Date: 12/13/2020



## 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
  - 1-1 6 NYCRR 201-6.4 (a) (8): Right to Inspect
  - 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 201-6.4 (d) (4): Progress Reports Due Semiannually
  - 23 6 NYCRR 211.1: Air pollution prohibited
  - 24 6 NYCRR 225-1.2: Compliance Certification
  - 25 40CFR 52.21(j), Subpart A: Compliance Certification
  - 26 40CFR 52.21(j), Subpart A: Compliance Certification
- #### Emission Unit Level
- 27 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
  - 28 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

#### EU=W-00001

- 1-2 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-3 6 NYCRR 231-11.2 (b): Compliance Certification
- 29 40CFR 52.21(j), Subpart A: Compliance Certification
- 31 40CFR 60, NSPS Subpart A: Compliance Certification
- 32 40CFR 60.334(a), NSPS Subpart GG: Compliance Certification
- 33 40CFR 60.334(b), NSPS Subpart GG: Compliance Certification
- 1-4 40CFR 97.406, Subpart AAAAA: Compliance Certification
- 1-5 40CFR 97.506, Subpart BBBBB: Compliance Certification
- 1-6 40CFR 97.606, Subpart CCCCC: Compliance Certification

#### EU=W-00001,Proc=P01



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- 1-7 40CFR 52.21(j), Subpart A: Compliance Certification
- 1-8 40CFR 52.21(j), Subpart A: Compliance Certification
- 1-9 40CFR 52.21(j), Subpart A: Compliance Certification
- 34 40CFR 52.21(j), Subpart A: Compliance Certification
- 35 40CFR 52.21(j), Subpart A: Compliance Certification
- 36 40CFR 52.21(j), Subpart A: Compliance Certification
- 37 40CFR 52.21(j), Subpart A: Compliance Certification
- 39 40CFR 52.21(j), Subpart A: Compliance Certification
- 40 40CFR 52.21(j), Subpart A: Compliance Certification
- 41 40CFR 52.21(j), Subpart A: Compliance Certification

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

- 1-10 40CFR 52.21(j), Subpart A: Compliance Certification
- 1-11 40CFR 52.21(j), Subpart A: Compliance Certification
- 1-12 40CFR 52.21(j), Subpart A: Compliance Certification
- 1-13 40CFR 52.21(j), Subpart A: Compliance Certification
- 1-14 40CFR 52.21(j), Subpart A: Compliance Certification
- 1-15 40CFR 52.21(j), Subpart A: Compliance Certification
- 43 40CFR 52.21(j), Subpart A: Compliance Certification
- 44 40CFR 52.21(j), Subpart A: Compliance Certification
- 46 40CFR 52.21(j), Subpart A: Compliance Certification
- 47 40CFR 52.21(j), Subpart A: Compliance Certification

**EU=W-00001,Proc=P03,ES=W00DB**

- 50 40CFR 60.48c, NSPS Subpart Dc: Recordkeeping and reporting.

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

- 1-16 40CFR 52.21(j), Subpart A: Compliance Certification
- 1-17 40CFR 52.21(j), Subpart A: Compliance Certification
- 1-18 40CFR 52.21(j), Subpart A: Compliance Certification
- 1-19 40CFR 52.21(j), Subpart A: Compliance Certification
- 51 40CFR 52.21(j), Subpart A: Compliance Certification
- 52 40CFR 52.21(j), Subpart A: Compliance Certification
- 53 40CFR 52.21(j), Subpart A: Compliance Certification
- 55 40CFR 52.21(j), Subpart A: Compliance Certification
- 56 40CFR 52.21(j), Subpart A: Compliance Certification
- 58 40CFR 52.21(j), Subpart A: Compliance Certification

**EU=W-00001,Proc=P05**

- 1-20 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-21 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-22 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-23 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-24 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-25 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-26 6 NYCRR 201-6.4 (f): Compliance Certification

**EU=W-00001,Proc=P06**

- 1-27 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-28 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-29 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-30 6 NYCRR 201-6.4 (f): Compliance Certification

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- 1-31 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-32 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-33 6 NYCRR 201-6.4 (f): Compliance Certification

**EU=W-00001,Proc=P07**

- 1-34 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-35 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-36 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-37 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-38 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-39 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-40 6 NYCRR 201-6.4 (f): Compliance Certification

**EU=W-00001,EP=00001**

- 59 6 NYCRR 227-1.3: Compliance Certification
- 60 6 NYCRR 227-2.4 (e) (3): Compliance Certification
- 61 6 NYCRR 227-2.4 (e) (3): Compliance Certification
- 62 40CFR 52.21(j), Subpart A: Compliance Certification

**EU=W-00001,EP=00001,Proc=P02**

- 63 6 NYCRR 227-2.4 (e) (3): Compliance Certification

**EU=W-00001,EP=00001,Proc=P02,ES=W00GT**

- 64 40CFR 52.21(j), Subpart A: Compliance Certification

**EU=W-00001,EP=00001,Proc=P03,ES=W00DB**

- 65 40CFR 60.40c, NSPS Subpart Dc: Subpart Dc - Applicability for 10-100 mmBtu/hr sources

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 66 ECL 19-0301: Contaminant List
- 67 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 68 6 NYCRR 211.2: Visible Emissions Limited
- 69 6 NYCRR Part 242: 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. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

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

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

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

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

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



a shorter time period in the case of an emergency.

**Item 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 between the dates of 12/14/2015 and 12/13/2020**

**Applicable Federal Requirement: 6 NYCRR 200.6**

**Item 1.1:**

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

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emission control required.

**Condition 2: Fees**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)**

**Item 2.1:**

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

**Condition 3: Recordkeeping and Reporting of Compliance Monitoring**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 3.1:**

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

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

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

**Condition 4: Records of Monitoring, Sampling, and Measurement**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (2)**

**Item 4.1:**

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



**Condition 5: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

**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.

The initial report is due 1/30/2016.

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

**Condition 6: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

**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 7 Headquarters  
615 Erie Boulevard, West  
Syracuse, NY 13204-2400

The address for the BQA is as follows:

NYSDEC  
Bureau of Quality Assurance

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625 Broadway  
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2016.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 7.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 7.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 8.1:**

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

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission  
statement was determined, including any calculations, data, measurements, and estimates used.

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

**Condition 9: Open Fires - Prohibitions**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 9.1:**



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

**Item 9.2**

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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



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

**Condition 10: Maintenance of Equipment**  
Effective between the dates of 12/14/2015 and 12/13/2020

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 10.1:**

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

**Condition 11: Recycling and Salvage**  
Effective between the dates of 12/14/2015 and 12/13/2020

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

**Item 11.1:**

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air**  
Effective between the dates of 12/14/2015 and 12/13/2020

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

**Item 12.1:**

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

**Condition 13: Exempt Sources - Proof of Eligibility**  
Effective between the dates of 12/14/2015 and 12/13/2020

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

**Item 13.1:**

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

**Condition 14: Trivial Sources - Proof of Eligibility**  
Effective between the dates of 12/14/2015 and 12/13/2020



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

**Item 14.1:**

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

**Condition 15: Requirement to Provide Information**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 15.1:**

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

**Condition 1-1: Right to Inspect**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-1.1:**

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

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

**Condition 16: Right to Inspect**  
**Effective between the dates of 12/14/2015 and 12/13/2020**



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

**Item 16.1:**

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

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

**Condition 17: Off Permit Changes**

**Effective between the dates of 12/14/2015 and 12/13/2020**

**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 between the dates of 12/14/2015 and 12/13/2020**

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



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**Item 18.1:**

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

**Condition 19: Accidental release provisions.  
Effective between the dates of 12/14/2015 and 12/13/2020**

**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;
- 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 between the dates of 12/14/2015 and 12/13/2020**

**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 between the dates of 12/14/2015 and 12/13/2020**



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

**Item 21.1(From Mod 1):**

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

Emission Unit: W-00001

Emission Unit Description:

This unit consists of a combustion gas turbine generator equipped with an evaporative cooler and heat recovery steam generator with duct burner exhausting into one stack. The generator is rated at 44 MW at zero degrees F.

The maximum rated heat input when firing natural gas is 483.96 mmBtu/hr and when firing oil is 435.8 mmBtu/hr. The heat input is a function of ambient temperature; these values are at 48 F.

This gas turbine is subject to the EPA's Cross State Air Pollution Rule.

Building(s): 1

**Condition 22: Progress Reports Due Semiannually**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 22.1:**

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 23: Air pollution prohibited**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 23.1:**

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 24: Compliance Certification**

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**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 24.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 24.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and operators of any stationary combustion installation that fires distillate oil are limited to the purchase of distillate oil with a sulfur content of 0.0015% sulfur on or after July 1, 2014 and to the firing of distillate oil with a sulfur content of 0.0015% sulfur on or after July 1, 2016.

Compliance shall be determined using vendor certified receipts for each lot or delivery. Alternatively, the owner or operator may use the procedures in 40 CFR Part 75, Appendix D at the frequency specified therein.

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

As of the effective date of this permit, the federally-enforceable limit in the State Implementation Plan is 1.5% by weight. The owner must comply with the more stringent limit stated above.

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

Reference Test Method: Vendor receipts or 40 CFR Part 75

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 25: Compliance Certification**

**Effective between the dates of 12/14/2015 and 07/01/2016**

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

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**Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 25.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Sulfur content of the fuel oil burned at the facility is limited to 0.27% by weight.

A more stringent condition appears elsewhere. After July 1, 2016, this condition will no longer apply.

Compliance shall be determined either through sampling and analysis as specified in 40 CFR Part 75, Appendix D or vendor certification for each delivery.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.27 percent by weight

Reference Test Method: Vendor receipts or fuel sampling per Part 75 App D

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 26: Compliance Certification**

**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**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: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Ambient air temperature must be continuously measured and recorded. Measurements shall be accurate to within +/- 3 deg F. The temperature measuring device must be maintained

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and calibrated in accordance with the device manufacturer's recommendations.

Monitoring Frequency: CONTINUOUS  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2016.  
Subsequent reports are due every 3 calendar month(s).

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

**Condition 27: Emission Point Definition By Emission Unit**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 27.1(From Mod 0):**

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

Emission Unit: W-00001

Emission Point: 00001

Height (ft.): 150

Diameter (in.): 132

NYTMN (km.): 4814.312 NYTME (km.): 379.212 Building: 1

**Condition 28: Process Definition By Emission Unit**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 28.1(From Mod 1):**

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

Emission Unit: W-00001

Process: P01

Source Classification Code: 2-02-002-03

Process Description:

GE Frame 6 gas turbine firing on natural gas. No duct firing. The stated heat input is for an ambient temperature of 48 F.

Emission Source/Control: W00GT - Combustion

Design Capacity: 484 million Btu per hour

Emission Source/Control: W00SI - Control

Control Type: STEAM OR WATER INJECTION

**Item 28.2(From Mod 1):**

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

Emission Unit: W-00001

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Process: P02 Source Classification Code: 2-02-001-03  
Process Description:  
GE Frame 6 gas turbine firing on Number 2 distillate oil.  
No duct firing. The stated heat input for an ambient  
temperature of 48 F is 436 mmBTU/hr.

Emission Source/Control: W00GT - Combustion  
Design Capacity: 484 million Btu per hour

Emission Source/Control: W00SI - Control  
Control Type: STEAM OR WATER INJECTION

**Item 28.3(From Mod 1):**

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

Emission Unit: W-00001  
Process: P03 Source Classification Code: 1-01-006-01  
Process Description: Duct burner firing on natural gas.

Emission Source/Control: W00DB - Combustion  
Design Capacity: 30 million Btu per hour

**Item 28.4(From Mod 1):**

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

Emission Unit: W-00001  
Process: P04 Source Classification Code: 2-02-002-03  
Process Description:  
GE Frame 6 gas turbine and duct burner both firing on  
natural gas. The stated heat input is for an ambient  
temperature of 48 F.

Emission Source/Control: W00DB - Combustion  
Design Capacity: 30 million Btu per hour

Emission Source/Control: W00GT - Combustion  
Design Capacity: 484 million Btu per hour

Emission Source/Control: W00SI - Control  
Control Type: STEAM OR WATER INJECTION

**Item 28.5(From Mod 1):**

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

Emission Unit: W-00001  
Process: P05 Source Classification Code: 2-02-001-03  
Process Description:  
Combustion of distillate oil in the turbine and natural  
gas in the duct burner. The stated heat input for an  
ambient temperature of 48 F is 436 mmBTU/hr..

Emission Source/Control: W00DB - Combustion

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Design Capacity: 30 million Btu per hour

Emission Source/Control: W00GT - Combustion

Design Capacity: 484 million Btu per hour

Emission Source/Control: W00SI - Control

Control Type: STEAM OR WATER INJECTION

**Item 28.6(From Mod 1):**

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

Emission Unit: W-00001

Process: P06

Source Classification Code: 2-02-002-03

Process Description:

Co-firing natural gas and distillate oil in the gas turbine. The stated heat input is for an ambient temperature of 48 F.

Emission Source/Control: W00GT - Combustion

Design Capacity: 484 million Btu per hour

Emission Source/Control: W00SI - Control

Control Type: STEAM OR WATER INJECTION

**Item 28.7(From Mod 1):**

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

Emission Unit: W-00001

Process: P07

Source Classification Code: 2-02-001-03

Process Description:

Co-firing of natural gas and distillate oil in the gas turbine and natural gas in the duct burner. The stated heat input is for an ambient temperature of 48 F.

Emission Source/Control: W00DB - Combustion

Design Capacity: 30 million Btu per hour

Emission Source/Control: W00GT - Combustion

Design Capacity: 484 million Btu per hour

Emission Source/Control: W00SI - Control

Control Type: STEAM OR WATER INJECTION

**Condition 1-2: Compliance Certification**

**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-2.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

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

**Item 1-2.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This condition is applicable to processes P05 (gas turbine firing oil and the duct burner firing gas), P06 (gas turbine co-firing oil and gas) and P07 (gas turbine co-firing oil and gas and the duct burner firing gas).

Emissions of carbon monoxide must not exceed 10 ppm by volume, dry, corrected to 15% O<sub>2</sub>, calculated on a one hour average.

Compliance shall be determined using a CEM that meets the specifications in 40 CFR Part 60, Appendix B and F.

The owner or operator shall submit to the DEC, on a calendar quarter basis, a report stating: the date and time each period of excess emissions began and ended; the magnitude of the excess emission; the cause and the corrective action taken, if any. The report shall also identify those periods when the gas turbine was operating and valid, quality-assured emissions data were not being recorded.

Manufacturer Name/Model Number: CAI-601P  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 10 parts per billion by volume (dry, corrected to 15% O<sub>2</sub>)  
Reference Test Method: 40 CFR Part 60 Appendix B and F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2016.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-3: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

**Applicable Federal Requirement: 6 NYCRR 231-11.2 (b)**

**Item 1-3.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001





**Item 1-3.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. This permit modification authorizes the following:
  - i. Operation of the gas turbine at 50% load (24 MW at an ambient temperature of 48 F) up to 80% load (31.6 MW at an ambient temperature of 48 F);
  - ii. Co-firing of oil and natural gas in the gas turbine, with or without firing gas in the duct burner; and
  - iii. Operation of the duct burner while firing oil in the gas turbine.

The projected emissions increase associated with the modification is less than 50% of the significant project threshold for all pollutants.

2. For a modification with a project emission potential that does not utilize the emissions exclusion allowed under section 231-4.1(b)(41)(i)(c) of this Part and which is less than 50 percent of the applicable significant project threshold in table 3, table 4 or table 6 of Subpart 231-13 of this Part, or for a modification with a project emission potential which when added to emissions excluded in accordance with section 231-4.1(b)(41)(i)(c) of this Part is less than 50 percent of the applicable significant project threshold in table 3, table 4 or table 6 of Subpart 231-13 of this Part, the facility owner or operator, in addition to complying with any requirements under Part 201 of this Title, must maintain the following information for a minimum of five years:

- (i) a description of the modification;
- (ii) an identification of each new or modified emission source(s) including the associated processes and emission unit;
- (iii) the calculation of the project emission potential for each modified emission source(s) including supporting documentation; and
- (iv) the date the modification commenced operation.

3. Annual emissions of NSR-regulated pollutants during operations described in item 1 above, shall not exceed the significant project thresholds for each pollutant, compared to the baseline actual annual emissions. Baseline emissions of NO<sub>x</sub> are 46.18 tons per year. On an

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annual basis, the owner or operator shall report, in the annual certification, the annual emissions of NOx for each 12 month rolling period.

4. For those annual periods where the operations described above are not utilized, this condition does not apply.

Monitoring Frequency: ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2017.  
Subsequent reports are due every 6 calendar month(s).

**Condition 29: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 29.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: W-00001

**Item 29.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

The PSD permit limits apply at all periods of operation, except during startup, shutdown (not to exceed six hours per occurrence), on-line water wash (CO only, limited to 40 ppmvd, corrected to 15% O2 and 2,600 hours/year) and malfunctions as stated in 6 NYCRR Part 201-1.4

The PSD NOx and CO emissions limits are based upon a one hour block average. When firing both oil and gas in the same hour, the emission limitation for oil firing will be used for the one-hour block average. The PSD permit limits based on heat input correspond to the Higher Heating Value (HHV) of the fuel burned.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2016.  
Subsequent reports are due every 3 calendar month(s).

**Condition 31: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**



**Applicable Federal Requirement:40CFR 60, NSPS Subpart A**

**Item 31.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

**Item 31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as applicable under 40 CFR 75, Emission Unit W-00001 is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative, monitoring and reporting requirements.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 32: Compliance Certification  
Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 32.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

**Item 32.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The gas turbine source is subject to 40 CFR 60 subpart GG, however the PSD requirements listed in this permit (40CFR 52-A.21) are more stringent. Therefore for the purposes of this permit, the listed requirements will be those associated with 40CFR 52-A.21. Monitoring and reporting shall be conducted as listed in those permit conditions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 33: Compliance Certification  
Effective between the dates of 12/14/2015 and 12/13/2020**



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

**Item 33.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

**Item 33.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner received approval from USEPA Region II (12/26/91) for a custom fuel monitoring schedule.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-4: Compliance Certification**

**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-4.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Regulated Contaminant(s):

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

**Item 1-4.2:**

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 NO<sub>x</sub> Annual allowances and to determine compliance with the TR NO<sub>x</sub> 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 NO<sub>x</sub> Annual facility and each TR NO<sub>x</sub> Annual Unit at the facility shall hold, in the facilities compliance account, TR NO<sub>x</sub> Annual allowances available for deduction for such control period under §97.424(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> Annual Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-5: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-5.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Regulated Contaminant(s):

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

**Item 1-5.2:**

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 BBBBB 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 Ozone Season allowances and to determine compliance with the TR NOx 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 NOx Ozone Season facility and each TR NOx Ozone Season Unit at the facility shall hold, in the facilities compliance account, TR NOx Ozone Season allowances available for deduction for such control period under §97.524(a) in an amount not less than the tons of total NOx emissions for such control period from all TR NOx Ozone Season Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-6: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-6.1:**

The Compliance Certification activity will be performed for:



Emission Unit: W-00001

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

**Item 1-6.2:**

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 §§97.613 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.



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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-7: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-7.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P01

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 1-7.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable when the turbine fires natural gas without the duct burner operating.

VOC mass emission limit for VOC.

VOC emissions are limited to 5.00 pounds per hour.

Compliance shall be determined by an emission test to be performed at the request of the Department.

Parameter Monitored: VOC

Upper Permit Limit: 5.0 pounds per hour

Reference Test Method: EPA RM 18 or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-8: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-8.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P01





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Facility DEC ID: 7351200005

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

**Item 1-8.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable when the turbine fires natural gas without the duct burner operating.

VOC emission limit for VOC.

VOC emissions are limited to 0.01 pounds per million Btu. Compliance shall be determined by an emission test to be performed at the request of the Department.

Parameter Monitored: VOC

Upper Permit Limit: 0.01 pounds per million Btus

Reference Test Method: EPA RM 18 or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-9: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Replaces Condition(s) 38**

**Item 1-9.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P01

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

**Item 1-9.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD mass emission limit for particulates. Turbine firing natural gas with no duct firing.

Particulate matter emissions are limited to 5.0 lb/hr. Compliance shall be determined by an emissions test to be performed upon the request of the DEC.

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Parameter Monitored: PARTICULATES

Upper Permit Limit: 5.0 pounds per hour

Reference Test Method: EPA RM 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 34: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 34.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P01

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 34.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD CO emission limit. Turbine firing natural gas with no duct firing.

CO emissions from this emission unit are limited to 10.0 ppm by volume (dry, corrected to 15% O<sub>2</sub>) based on a one hour average. Compliance shall be determined by the use of CEMS.

Manufacturer Name/Model Number: CEM meeting 40 CFR 60 requirements

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 10.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 App B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 35: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 35.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P01

Regulated Contaminant(s):

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

**Item 35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD mass emission limit for PM-10. Turbine firing natural gas with no duct firing.

PM-10 emissions are limited to 5.0 lb/hr. Compliance shall be determined by an emissions test to be performed upon the request of the DEC.

Parameter Monitored: PM-10

Upper Permit Limit: 5.0 pounds per hour

Reference Test Method: 40 CFR 51 RM 201

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 36: Compliance Certification**

**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 36.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P01

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD emission limit for particulates. Turbine firing



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natural gas with no duct firing.

Particulate matter emissions are limited to 0.008 lb/mmBtus. Compliance shall be determined by an emissions test to be performed upon the request of the DEC.

Parameter Monitored: PARTICULATES  
Upper Permit Limit: 0.008 pounds per million Btus  
Reference Test Method: EPA RM 5  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 37: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 37.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P01

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

**Item 37.2:**

Compliance Certification shall include the following monitoring:

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

PSD CO mass emission limit. Turbine firing natural gas with no duct firing.

The 10.0 lb/hr emission limit corresponds to an ambient temperature of 48 deg F. The corresponding CO mass emission limits for other ambient temperatures are identified in Figure (1) attached. Compliance shall be determined by the use of CEMS.

Manufacturer Name/Model Number: CEM meeting 40 CFR 60 requirements  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 10.0 pounds per hour  
Reference Test Method: 40 CFR 60 App B & F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2016.

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

**Condition 39: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 39.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P01

Regulated Contaminant(s):

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

**Item 39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD NOx mass emission limit. Turbine firing natural gas with no duct firing.

The 74.0 lb/hr emission limit corresponds to an ambient temperature of 48 deg F. The corresponding NOx mass emission limits for other ambient temperatures are identified in Figure (1) attached. Compliance shall be determined by the use of CEMS.

Manufacturer Name/Model Number: CEM meeting 40 CFR 75 requirements

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 74.0 pounds per hour

Reference Test Method: 40 CFR 60 App B & F or Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 40: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P01

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

**Item 40.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD NOx Emission Limit. Turbine firing natural gas with no duct firing.

NOx emissions from this emission unit are limited to 42.0 ppm by volume (dry, corrected to 15% O<sub>2</sub>) based on a one hour average. Compliance shall be determined by the use of CEMS.

A more stringent limit appears elsewhere in this permit.

Manufacturer Name/Model Number: CEM meeting 40 CFR 75 requirements

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 App B & F or Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 41: Compliance Certification**

**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P01

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

**Item 41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD emission limit for PM-10. Turbine firing natural gas with no duct firing.

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PM-10 emissions are limited to 0.008 lb/mmBtus. Compliance shall be determined by an emissions test to be performed upon the request of the DEC.

Parameter Monitored: PM-10

Upper Permit Limit: 0.008 pounds per million Btus

Reference Test Method: 40 CFR 51 RM 201

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-10: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-10.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P02

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 1-10.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emission limit for VOC. Turbine firing distillate oil.

VOC emissions are limited to 5.00 pounds per hour.

Compliance shall be determined by an emission test to be performed at the request of the Department.

Parameter Monitored: VOC

Upper Permit Limit: 5.0 pounds per hour

Reference Test Method: EPA RM 18 or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-11: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**New York State Department of Environmental Conservation**

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005



**Item 1-11.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P02

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 1-11.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emission limit for VOC. Turbine firing distillate oil.

VOC emissions are limited to 0.011 pounds per million Btu.

Compliance shall be determined by an emission test to be performed at the request of the Department.

Parameter Monitored: VOC

Upper Permit Limit: 0.011 pounds per million Btus

Reference Test Method: EPA RM 18 or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-12: Compliance Certification**

**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Replaces Condition(s) 49**

**Item 1-12.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P02

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-12.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD emission limit for particulates. Turbine firing No.



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Facility DEC ID: 7351200005



2 distillate oil with no duct firing.

Particulate matter emissions are limited to 0.033 lb/mmBtu. Compliance shall be determined by an emissions test to be performed upon the request of the DEC.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.033 pounds per million Btus

Reference Test Method: EPA RM 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-13: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Replaces Condition(s) 48**

**Item 1-13.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P02

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-13.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD mass emission limit for particulates. Turbine firing  
No. 2 distillate oil with no duct firing.

Particulate matter emissions are limited to 20.0 lb/hr.  
Compliance shall be determined by an emissions test to be performed upon the request of the DEC.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 20.0 pounds per hour

Reference Test Method: EPA RM 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-14: Compliance Certification**

**New York State Department of Environmental Conservation**

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005



**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Replaces Condition(s) 45**

**Item 1-14.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P02

Regulated Contaminant(s):

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

**Item 1-14.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD emission limit for PM-10. Turbine firing No. 2  
distillate oil with no duct firing.

PM-10 emissions are limited to 0.033 lb/mmBtu. Compliance  
shall be determined by an emission test to be performed  
upon the request of the DEC.

Parameter Monitored: PM-10

Upper Permit Limit: 0.033 pounds per million Btus

Reference Test Method: 40 CFR 51 RM 201

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-15: Compliance Certification**

**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Replaces Condition(s) 42**

**Item 1-15.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P02

Regulated Contaminant(s):

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

**Item 1-15.2:**

Compliance Certification shall include the following monitoring:

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Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD mass emission limit for PM-10. Turbine firing No. 2  
distillate oil with no duct firing.

PM-10 emissions are limited to 20.0 lb/hr. Compliance  
shall be determined by an emissions test to be performed  
upon the request of the DEC.

Parameter Monitored: PM-10

Upper Permit Limit: 20.0 pounds per hour

Reference Test Method: 40 CFR 51 RM 201

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 43: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P02

Regulated Contaminant(s):

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

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD NOx mass emission limit. Turbine firing No. 2  
distillate oil with no duct firing.

The 121.0 lb/hr emission limit corresponds to an ambient  
temperature of 48 deg F. The corresponding NOx mass  
emission limits for other ambient temperatures are  
identified in Figure (2) attached. Compliance shall be  
determined by the use of CEMS.

Manufacturer Name/Model Number: CEM meeting 40 CFR 75 requirements

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 121.0 pounds per hour

Reference Test Method: 40 CFR Part 60 App B and F or Part 75

Monitoring Frequency: CONTINUOUS



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Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2016.  
Subsequent reports are due every 3 calendar month(s).

**Condition 44: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P02

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

**Item 44.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD NOx Emission Limit. Turbine firing No. 2 distillate oil with no duct firing.

NOx emissions from this emission unit are limited to 65.0 ppm by volume (dry, corrected to 15% O2) based on a one hour average. Compliance shall be determined by the use of CEMS.

A more stringent limit appears elsewhere in this permit.

Manufacturer Name/Model Number: CEM meeting 40 CFR 75 requirements

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 65.0 parts per million by volume  
(dry, corrected to 15% O2)

Reference Test Method: 40 CFR Part 60 App B and F or Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 46: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**New York State Department of Environmental Conservation**

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005



**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P02

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD CO mass emission limit. Turbine firing No. 2  
distillate oil with no duct firing.

The 10.0 lb/hr emission limit corresponds to an ambient  
temperature of 48 deg F. The corresponding CO mass  
emission limits for other ambient temperatures are  
identified in Figure (2) attached. Compliance shall be  
determined by the use of CEMS.

Manufacturer Name/Model Number: CEM meeting 40 CFR 60 requirements

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 10.0 pounds per hour

Reference Test Method: 40 CFR 60 App B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 47: Compliance Certification**

**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P02

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 47.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

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Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005



**Monitoring Description:**

PSD CO emission limit. Turbine firing No. 2 distillate oil with no duct firing.

CO emissions from this emission unit are limited to 10.0 ppm by volume (dry, corrected to 15% O<sub>2</sub>) based on a one hour average. Compliance shall be determined by the use of CEMS.

Manufacturer Name/Model Number: CEM meeting 40 CFR 60 requirements

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 10.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 App B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 50: Recordkeeping and reporting.**

**Effective between the dates of 12/14/2015 and 12/13/2020**

**Applicable Federal Requirement:40CFR 60.48c, NSPS Subpart Dc**

**Item 50.1:**

This Condition applies to Emission Unit: W-00001

Process: P03

Emission Source:

W00DB

**Item 50.2:**

The facility shall maintain reports and records in accordance with the provisions of this section 40 CFR 60-Dc.48c.

**Condition 1-16: Compliance Certification**

**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-16.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P04

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**New York State Department of Environmental Conservation**

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005



**Item 1-16.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC mass emission limit for VOC. Turbine and duct burner both firing natural gas.

VOC emissions are limited to 6.8 pounds per hour.

Compliance shall be determined by an emission test to be performed at the request of the Department.

Parameter Monitored: VOC

Upper Permit Limit: 6.8 pounds per hour

Reference Test Method: EPA RM 18 or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-17: Compliance Certification**

**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-17.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P04

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 1-17.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emission limit for VOC. Turbine and duct burner both firing natural gas.

VOC emissions are limited to 0.02 pounds per million Btu.

Compliance shall be determined by an emission test to be performed at the request of the Department.

Parameter Monitored: VOC

Upper Permit Limit: 0.02 pounds per million Btus

Reference Test Method: EPA RM 18 or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



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Facility DEC ID: 7351200005

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-18: Compliance Certification**  
Effective between the dates of 08/05/2016 and 12/13/2020

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

**Replaces Condition(s) 57**

**Item 1-18.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P04

Regulated Contaminant(s):

CAS No: ONY075-00-5 PM-10

**Item 1-18.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD mass emission limit for PM-10. Turbine and duct  
burner both firing natural gas.

PM-10 emissions are limited to 5.3 pounds per hour.  
Compliance shall be determined by an emission test to be  
performed at the request of the Department.

Parameter Monitored: PM-10

Upper Permit Limit: 5.3 pounds per hour

Reference Test Method: 40 CFR 51 RM 201

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-19: Compliance Certification**  
Effective between the dates of 08/05/2016 and 12/13/2020

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

**Replaces Condition(s) 54**

**Item 1-19.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P04





**New York State Department of Environmental Conservation**

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

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

**Item 1-19.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD limit for PM-10. Turbine and duct burner both firing natural gas.

PM-10 emissions are limited to 0.01 lb/mmBtu. Compliance shall be determined by an emissions test to be performed upon the request of the DEC.

Parameter Monitored: PM-10

Upper Permit Limit: 0.01 pounds per million Btus

Reference Test Method: 40 CFR 51 RM 201

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 51: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P04

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

**Item 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD mass limit for PM. Turbine and duct burner both firing natural gas. PM emissions are limited to 5.3 lb/hr. Compliance shall be determined by an emissions test to be performed upon the request of the DEC.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 5.3 pounds per hour

Reference Test Method: EPA RM 5



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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 52: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P04

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

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD limit for PM. Turbine and duct burner both firing  
natural gas.

PM emissions are limited to 0.01 lb/mmBtu. Compliance  
shall be determined by an emissions test to be performed  
upon the request of the DEC.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.01 pounds per million Btus

Reference Test Method: EPA RM 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 53: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P04



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Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD CO mass emission limit. Turbine and duct burner both firing natural gas.

The 13.84 lb/hr emission limit corresponds to an ambient temperature of 48 deg F. The corresponding CO mass emission limits for other ambient temperatures are identified in Figure (1) attached. Compliance shall be determined by the use of CEMS.

Manufacturer Name/Model Number: CEM meeting 40 CFR 60 requirements

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 13.84 pounds per hour

Reference Test Method: 40 CFR 60 App B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 55: Compliance Certification**

**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P04

Regulated Contaminant(s):

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

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD NOx mass emission limit. Turbine and duct burner both firing natural gas.

The 77.51 lb/hr emission limit corresponds to an ambient temperature of 48 deg F. The corresponding NOx mass



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emission limits for other ambient temperatures are identified in Figure (1) attached. Compliance shall be determined by the use of CEMS.

Manufacturer Name/Model Number: CEM meeting 40 CFR 75 requirements

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 77.51 pounds per hour

Reference Test Method: As per 40 CFR 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 56: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P04

Regulated Contaminant(s):

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

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

PSD NOx Emission Limit. Turbine and duct burner both firing natural gas.

NOx emissions from this emission unit are limited to 42.0 ppm by volume (dry, corrected to 15% O2) based on a one hour average. Compliance shall be determined by the use of CEMS.

Manufacturer Name/Model Number: CEM meeting 40 CFR 75 requirements

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42.0 parts per million by volume

(dry, corrected to 15% O2)

Reference Test Method: As per 40 CFR 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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Facility DEC ID: 7351200005



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

**Condition 58: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P04

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:

PSD CO emission limit. Turbine and duct burner both firing natural gas.

CO emissions from this emission unit are limited to 10.0 ppm by volume (dry, corrected to 15% O<sub>2</sub>) based on a one hour average. Compliance shall be determined by the use of CEMS.

Manufacturer Name/Model Number: CEM meeting 40 CFR 60 requirements

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 10.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 App B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 1-20: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-20.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P05

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Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005



Regulated Contaminant(s):  
CAS No: ONY075-00-5 PM-10

**Item 1-20.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable to process P05, firing oil in the gas turbine and natural gas in the duct burner.

PM-10 emissions shall not exceed 0.033 pounds per hour. Compliance shall be determined by an emission test performed upon the request of the DEC.

Parameter Monitored: PM-10

Upper Permit Limit: 0.033 pounds per million Btus

Reference Test Method: 40 CFR 51 RM 201.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-21: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-21.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P05

Regulated Contaminant(s):  
CAS No: ONY210-00-0 OXIDES OF NITROGEN

**Item 1-21.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This condition is applicable to processes P05 (gas turbine firing oil and the duct burner firing gas).

Emissions of oxides of nitrogen must not exceed 65 ppm by volume on a dry basis corrected to 15% O<sub>2</sub>, calculated on a one hour average.

**New York State Department of Environmental Conservation**

Permit ID: 7-3512-00005/00006

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Compliance shall be determined using a CEM that meets the specifications in 40 CFR Part 75. The data need not be bias-adjusted.

The owner or operator shall submit to the DEC, on a calendar quarter basis, a report stating: the date and time each period of excess emissions began and ended; the magnitude of the excess emission; the cause and the corrective action taken, if any. The report shall also identify those periods when the gas turbine was operating and valid, quality-assured emissions data were not being recorded.

Manufacturer Name/Model Number: CAI 600 CLD  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 65 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: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2016.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-22: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-22.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P05

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

**Item 1-22.2:**  
Compliance Certification shall include the following monitoring:

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

This condition is applicable to processes P05 (gas turbine firing oil and the duct burner firing gas).

Emissions of oxides of nitrogen must not exceed 124.51 pounds per hour calculated on a one hour average.

**New York State Department of Environmental Conservation**

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005



Compliance shall be determined using a CEM that meets the specifications in 40 CFR Part 75. The data need not be bias-adjusted.

The owner or operator shall submit to the DEC, on a calendar quarter basis, a report stating: the date and time each period of excess emissions began and ended; the magnitude of the excess emission; the cause and the corrective action taken, if any. The report shall also identify those periods when the gas turbine was operating and valid, quality-assured emissions data were not being recorded.

Manufacturer Name/Model Number: CAI 600 CLD  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 124.51 pounds per hour  
Reference Test Method: 40 CFR Part 75  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2016.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-23: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-23.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P05

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

**Item 1-23.2:**  
Compliance Certification shall include the following monitoring:

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

This condition is applicable to processes P05 (gas turbine firing oil and the duct burner firing gas).

Emissions of carbon monoxide must not exceed 13.84 pounds per hour calculated on a one hour average.

Compliance shall be determined using a CEM that meets the specifications in 40 CFR Part 60, Appendix B and F.



**New York State Department of Environmental Conservation**

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005



The owner or operator shall submit to the DEC, on a calendar quarter basis, a report stating: the date and time each period of excess emissions began and ended; the magnitude of the excess emission; the cause and the corrective action taken, if any. The report shall also identify those periods when the gas turbine was operating and valid, quality-assured emissions data were not being recorded.

Manufacturer Name/Model Number: CAI 601P  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 13.84 pounds per hour  
Reference Test Method: 40 CFR 60 App B and F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2016.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-24: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-24.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P05

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

**Item 1-24.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

This condition is applicable to process P05, firing oil in the gas turbine and natural gas in the duct burner.

PM-10 emissions shall not exceed 20.3 pounds per hour.  
Compliance shall be determined by an emission test performed upon the request of the DEC.

Parameter Monitored: PM-10  
Upper Permit Limit: 20.3 pounds per hour  
Reference Test Method: 40 CFR 51 RM 201.  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



**New York State Department of Environmental Conservation**

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-25: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-25.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P05

Regulated Contaminant(s):

CAS No: ONY075-00-0 PARTICULATES

**Item 1-25.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable to process P05, firing oil  
in the gas turbine and natural gas in the duct burner.

Particulate matter emissions shall not exceed 20.3 pounds  
per hour. Compliance shall be determined by an emission  
test performed upon the request of the DEC.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 20.3 pounds per hour

Reference Test Method: EPA RM 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-26: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-26.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P05

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Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005



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

**Item 1-26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable to process P05, firing oil in the gas turbine and natural gas in the duct burner.

Particulate matter emissions shall not exceed 0.033 pounds per million Btu. Compliance shall be determined by an emission test performed upon the request of the DEC.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.033 pounds per million Btus

Reference Test Method: EPA RM 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-27: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-27.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P06

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

**Item 1-27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This condition is applicable to processes P06 (gas turbine co-firing firing oil and natural gas; no fuel fired in the duct burner).

Emissions of oxides of nitrogen must not exceed an emission that is prorated based on the relative heat inputs from oil and natural gas.

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Allowable emission rate =  $((Eng, \text{ pph} \times HIng) + (Eo, \text{ pph} \times HIo)) / (HIng + HIo)$

where HIng is the heat input from natural gas (higher heating value) during the hour, calculated using the higher heating value of the most recent natural gas analysis;

and HIo is the heat input from oil combustion (higher heating value) during the hour, based on the highest Gross Calorific Value of the most recent fuel oil analysis in accordance with 40 CFR Part 75, App D;

and Eng, pph is the NO<sub>x</sub> PSD emission limit for the firing of natural gas in the gas turbine (which is a function of ambient temperature), as stated elsewhere in this permit, and

Eo, pph is the NO<sub>x</sub> PSD emission limit for the firing of distillate oil in the gas turbine (which is a function of ambient temperature), as stated elsewhere in this permit.

Eng at 48 F and 100% load is 74 pph; Eo at 48 F and 100% load is 121 pph.

Compliance shall be determined using a CEM that meets the specifications in 40 CFR Part 75. The data need not be bias-adjusted.

The owner or operator shall submit to the DEC, on a calendar quarter basis, a report stating: the date and time each period of excess emissions began and ended; the magnitude of the excess emission; the cause and the corrective action taken, if any. The report shall also identify those periods when the gas turbine was operating and valid, quality-assured emissions data were not being recorded.

Manufacturer Name/Model Number: CAI 600 CLD

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 74 pounds per hour

Reference Test Method: 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2016.

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

**Condition 1-28: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**



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

**Item 1-28.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P06

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

**Item 1-28.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This condition is applicable to processes P06 (gas turbine co-firing firing oil and natural gas; no fuel fired in the duct burner).

Emissions of oxides of nitrogen must not exceed an emission that is prorated based on the relative heat inputs from oil and natural gas.

Allowable emission rate =  $((42 \text{ ppmdv} \times H_{\text{Ing}}) + (65 \text{ ppmdv} \times H_{\text{Io}}) / (H_{\text{Ing}} + H_{\text{Io}}))$

where  $H_{\text{Ing}}$  is the heat input from natural gas (higher heating value) during the hour, calculated using the higher heating value of the most recent natural gas analysis;

and  $H_{\text{Io}}$  is the heat input from oil combustion (higher heating value) during the hour, based on the highest Gross Calorific Value of the most recent fuel oil analysis in accordance with 40 CFR Part 75, App D;

and NGL, ppmdv is the NO<sub>x</sub> PSD emission limit for the firing of natural gas in the gas turbine, 42 ppmdv corrected to 15% O<sub>2</sub> at all loads, and

FOL, ppmdv is the NO<sub>x</sub> PSD emission limit for the firing of distillate oil in the gas turbine, 65 ppmdv corrected to 15% O<sub>2</sub> at all loads.

Compliance shall be determined using a CEM that meets the specifications in 40 CFR Part 75. The data need not be bias-adjusted.

The owner or operator shall submit to the DEC, on a calendar quarter basis, a report stating: the date and



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time each period of excess emissions began and ended; the magnitude of the excess emission; the cause and the corrective action taken, if any. The report shall also identify those periods when the gas turbine was operating and valid, quality-assured emissions data were not being recorded.

Manufacturer Name/Model Number: CAI 600 CLD  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 42 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: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2016.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-29: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-29.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P06

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

**Item 1-29.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This condition is applicable to processes P06 (gas turbine co-firing firing oil and natural gas; no fuel fired in the duct burner).

Emissions of carbon monoxide must not exceed the allowable emission limit corresponding to the ambient temperature as shown in the attached figure. The emission rate varies from 12.0 pounds per hour at 0 F to 9.00 pounds per hour at 100 F.

Compliance shall be determined using a CEM that meets the specifications in 40 CFR Part 60 App B and F. The data need not be bias-adjusted.

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The owner or operator shall submit to the DEC, on a calendar quarter basis, a report stating: the date and time each period of excess emissions began and ended; the magnitude of the excess emission; the cause and the corrective action taken, if any. The report shall also identify those periods when the gas turbine was operating and valid, quality-assured emissions data were not being recorded.

Manufacturer Name/Model Number: CAI 601P  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 10.0 pounds per hour  
Reference Test Method: 40 CFR 60 App B and F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2016.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-30: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-30.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P06

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

**Item 1-30.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable to processes P06 (gas turbine co-firing firing oil and natural gas; no fuel fired in the duct burner).

PM-10 emissions shall not exceed 0.008 pounds per million Btu when firing natural gas, 0.033 pounds per million Btu when firing oil, and a pro-rated value based on the heat inputs from each fuel when co-firing.

Emissions of oxides of PM-10 must not exceed an emission that is prorated based on the relative heat inputs from oil and natural gas.

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Allowable emission rate = ((Eng, lb/mmBtu x HIng)+(Eo, lb/mmBtu x HIo)/(HIng + HIo))

where HIng is the heat input from natural gas (higher heating value) during the hour, calculated using the higher heating value of the most recent natural gas analysis;

and HIo is the heat input from oil combustion (higher heating value) during the hour, based on the highest Gross Calorific Value of the most recent fuel oil analysis in accordance with 40 CFR Part 75, App D;

and Eng, lb/mmBtu is the PM-10 PSD concentration emission limit for the firing of natural gas in the gas turbine (0.008 pounds per million Btu), and

Eo, lb/mmBtu is the PM-10 PSD concentration emission limit for the firing of distillate oil in the gas turbine (0.033 pounds per million Btu).

Compliance shall be determined by an emission test performed upon the request of the DEC.

Parameter Monitored: PM-10

Upper Permit Limit: 0.008 pounds per million Btus

Reference Test Method: EPA RM 201

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-31: Compliance Certification**

**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-31.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P06

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:





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This condition is applicable to processes P06 (gas turbine co-firing firing oil and natural gas; no fuel fired in the duct burner).

Particulates emissions shall not exceed 0.008 pounds per million Btu when firing natural gas, 0.033 pounds per million Btu when firing oil, and a pro-rated value based on the heat inputs from each fuel when co-firing.

Emissions of particulate matter must not exceed an emission that is prorated based on the relative heat inputs from oil and natural gas.

Allowable emission rate = ((Eng, lb/mmBtu x HIng)+(Eo, lb/mmBtu x HIo)/(HIng + HIo))

where HIng is the heat input from natural gas (higher heating value) during the hour, calculated using the higher heating value of the most recent natural gas analysis;

and HIo is the heat input from oil combustion (higher heating value) during the hour, based on the highest Gross Calorific Value of the most recent fuel oil analysis in accordance with 40 CFR Part 75, App D;

and Eng, lb/mmBtu is the particulates PSD concentration emission limit for the firing of natural gas in the gas turbine (0.008 pounds per million Btu), and

Eo, lb/mmBtu is the particulates PSD concentration emission limit for the firing of distillate oil in the gas turbine (0.033 pounds per million Btu).

Compliance shall be determined by an emission test performed upon the request of the DEC.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.008 pounds per million Btus

Reference Test Method: EPA RM 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-32: Compliance Certification Effective between the dates of 08/05/2016 and 12/13/2020

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

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**Item 1-32.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P06

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-32.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable to processes P06 (gas turbine co-firing firing oil and natural gas; no fuel fired in the duct burner).

Emissions of Particulate must not exceed an emission that is prorated based on the relative heat inputs from natural gas and oil.

Allowable emission rate =  $((E_{ng}, \text{pph} \times H_{Ing}) + (E_{o}, \text{pph} \times H_{Io})) / (H_{Ing} + H_{Io})$

where  $H_{Ing}$  is the heat input from natural gas (higher heating value) during the hour, calculated using the higher heating value of the most recent natural gas analysis;

and  $H_{Io}$  is the heat input from oil combustion (higher heating value) during the hour, based on the highest Gross Calorific Value of the most recent fuel oil analysis in accordance with 40 CFR Part 75, App D;

and  $E_{ng}$  is the Particulate limit of 5 pph for firing natural gas in the gas turbine, and  $E_{o}, \text{pph}$  is the Particulate limit of 20 pph for the firing of distillate oil in the gas turbine.

Compliance shall be determined by stack testing in accordance with a protocol approved by the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 5.0 pounds per hour

Reference Test Method: EPA RM 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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**Condition 1-33: Compliance Certification**  
Effective between the dates of 08/05/2016 and 12/13/2020

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

**Item 1-33.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P06

Regulated Contaminant(s):

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

**Item 1-33.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable to processes P06 (gas turbine co-firing firing oil and natural gas; no fuel fired in the duct burner).

Emissions of particulate must not exceed an emission that is prorated based on the relative heat inputs from natural gas and oil.

Allowable emission rate =  $((E_{ng}, \text{pph} \times H_{Ing}) + (E_{o}, \text{pph} \times H_{Io})) / (H_{Ing} + H_{Io})$

where  $H_{Ing}$  is the heat input from natural gas (higher heating value) during the hour, calculated using the higher heating value of the most recent natural gas analysis;

and  $H_{Io}$  is the heat input from oil combustion (higher heating value) during the hour, based on the highest Gross Calorific Value of the most recent fuel oil analysis in accordance with 40 CFR Part 75, App D;

and  $E_{ng}$  is the Particulate limit of 5 pph for firing natural gas in the gas turbine, and  $E_{o}$ , pph is the Particulate limit of 20 pph for the firing of distillate oil in the gas turbine.

Compliance shall be determined by stack testing in accordance with a protocol approved by the Department.

Parameter Monitored: PM-10

Upper Permit Limit: 5.0 pounds per hour

Reference Test Method: EPA RM 201

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-34: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-34.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P07

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

**Item 1-34.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This condition is applicable to processes P07 (gas turbine co-firing firing oil and natural gas and firing natural gas in the duct burner).

Emissions of carbon monoxide must not exceed an emission limit that is prorated based on the relative heat inputs from oil and natural gas.

Allowable emission rate =  $((Eng, \text{ pph} \times H_{Ing}) + (Eo, \text{ pph} \times H_{Io})) / (H_{Ing} + H_{Io})$

where  $H_{Ing}$  is the heat input from natural gas (higher heating value) during the hour, calculated using the higher heating value of the most recent natural gas analysis;

and  $H_{Io}$  is the heat input from oil combustion (higher heating value) during the hour, based on the highest Gross Calorific Value of the most recent fuel oil analysis in accordance with 40 CFR Part 75, App D;

and  $Eng, \text{ pph}$  is the CO PSD mass emission limit for the firing of natural gas in the gas turbine (which is a function of ambient temperature), as stated elsewhere in this permit, and

$Eo, \text{ pph}$  is the CO PSD emission limit for the firing of distillate oil in the gas turbine (which is a function of

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ambient temperature), as stated elsewhere in this permit.

Eng at 48 F and 100% load is 13.84 pph; Eo at 48 F and 100% load is 13.84 pph.

Compliance shall be determined using a CEM that meets the specifications in 40 CFR Part 60 App B and F. The data need not be bias-adjusted.

The owner or operator shall submit to the DEC, on a calendar quarter basis, a report stating: the date and time each period of excess emissions began and ended; the magnitude of the excess emission; the cause and the corrective action taken, if any. The report shall also identify those periods when the gas turbine was operating and valid, quality-assured emissions data were not being recorded.

Manufacturer Name/Model Number: CAI 601P  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 13.84 pounds per hour  
Reference Test Method: 40 CFR 60 App B and F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2016.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-35: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-35.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P07

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

**Item 1-35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable to process P07, co-firing oil and natural gas in the gas turbine and natural gas in the duct burner.

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Particulate emissions shall not exceed 0.01 pounds per million Btu when firing natural gas, 0.033 pounds per million Btu when firing oil, and a pro-rated value based on the heat inputs from each fuel when co-firing.

Emissions of particulate matter must not exceed an emission that is prorated based on the relative heat inputs from oil and natural gas.

$$\text{Allowable emission rate} = ((\text{Eng, lb/mmBtu} \times \text{HIng}) + (\text{Eo, lb/mmBtu} \times \text{HIo})) / (\text{HIng} + \text{HIo})$$

where HIng is the heat input from natural gas (higher heating value) during the hour, calculated using the higher heating value of the most recent natural gas analysis;

and HIo is the heat input from oil combustion (higher heating value) during the hour, based on the highest Gross Calorific Value of the most recent fuel oil analysis in accordance with 40 CFR Part 75, App D;

and Eng, lb/mmBtu is the particulate PSD concentration emission limit for the firing of natural gas in the gas turbine (0.01 pounds per million Btu), and

Eo, lb/mmBtu is the particulate PSD concentration emission limit for the firing of distillate oil in the gas turbine (0.033 pounds per million Btu).

Compliance shall be determined by an emission test performed upon the request of the DEC.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.01 pounds per million Btus

Reference Test Method: EPA RM 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-36: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-36.1:**

The Compliance Certification activity will be performed for:

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Emission Unit: W-00001

Process: P07

Regulated Contaminant(s):

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

**Item 1-36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable to process P07, co-firing oil and gas in the gas turbine and natural gas in the duct burner.

PM-10 emissions shall not exceed 5.3 pounds per hour when firing natural gas, 20.3 pounds per hour when firing oil, and a pro-rated value based on the heat inputs from each fuel when co-firing.

Emissions of PM-10 must not exceed an emission that is prorated based on the relative heat inputs from oil and natural gas.

Allowable emission rate =  $((Eng, \text{ pph} \times HIng) + (Eo, \text{ pph} \times HIo)) / (HIng + HIo)$

where HIng is the heat input from natural gas (higher heating value) during the hour, calculated using the higher heating value of the most recent natural gas analysis;

and HIo is the heat input from oil combustion (higher heating value) during the hour, based on the highest Gross Calorific Value of the most recent fuel oil analysis in accordance with 40 CFR Part 75, App D;

and Eng, pph is the PM-10 PSD emission limit for the firing of natural gas in the gas turbine and gas in the duct burner (5.3 pounds per hour), and

Eo, pph is the PM-10 PSD emission limit for the firing of distillate oil in the gas turbine (20.3 pounds per hour).

Compliance shall be determined by an emission test performed upon the request of the DEC.

Parameter Monitored: PM-10

Upper Permit Limit: 5.3 pounds per hour

Reference Test Method: EPA RM 201

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



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DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-37: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-37.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P07

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

**Item 1-37.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicabel to process P07, co-firing oil and gas in the gas turbine and natural gas in the duct burner.

Particulate emissions shall not exceed 5.3 pounds per hour when firing natural gas, 20.3 pounds per hour when firing oil, and a pro-rated value based on the heat inputs from each fuel when co-firing.

Emissions of oxides of PM-10 must not exceed an emission that is prorated based on the relative heat inputs from oil and natural gas.

Allowable emission rate = ((Eng, pph x HIng)+(Eo, pph x HIo)/(HIng + HIo))

where HIng is the heat input from natural gas (higher heating value) during the hour, calculated using the higher heating value of the most recent natural gas analysis;

and HIo is the heat input from oil combustion (higher heating value) during the hour, based on the highest Gross Calorific Value of the most recent fuel oil analysis in accordance with 40 CFR Part 75, App D;

and Eng, pph is the particulate PSD emission limit for the firing of natural gas in the gas turbine and gas in the



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duct burner (5.3 pounds per hour), and

Eo, pph is the particulate PSD emission limit for the firing of distillate oil in the gas turbine (20.3 pounds per hour).

Compliance shall be determined by an emission test performed upon the request of the DEC.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 5.3 pounds per hour

Reference Test Method: EPA RM 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-38: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-38.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P07

Regulated Contaminant(s):

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

**Item 1-38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This condition is applicable to processes P07 (gas turbine co-firing firing oil and natural gas and firing natural gas in the duct burner).

Emissions of oxides of nitrogen must not exceed an emission that is prorated based on the relative heat inputs from oil and natural gas.

$$\text{Allowable emission rate} = ((\text{Eng, pph} \times \text{HIng}) + (\text{Eo, pph} \times \text{HIo})) / (\text{HIng} + \text{HIo})$$

where HIng is the heat input from natural gas (higher heating value) during the hour, calculated using the higher heating value of the most recent natural gas analysis;

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and H<sub>10</sub> is the heat input from oil combustion (higher heating value) during the hour, based on the highest Gross Calorific Value of the most recent fuel oil analysis in accordance with 40 CFR Part 75, App D;

and Eng, pph is the NO<sub>x</sub> PSD emission limit for the firing of natural gas in the gas turbine simultaneous with natural gas in the duct burner (which is a function of ambient temperature), as stated elsewhere in this permit, and

E<sub>o</sub>, pph is the NO<sub>x</sub> PSD emission limit for the firing of distillate oil in the gas turbine (which is a function of ambient temperature), as stated elsewhere in this permit.

Eng at 48 F and 100% load is 77.51 pph; E<sub>o</sub> at 48 F and 100% load is 124.51 pph.

Compliance shall be determined using a CEM that meets the specifications in 40 CFR Part 75. The data need not be bias-adjusted.

The owner or operator shall submit to the DEC, on a calendar quarter basis, a report stating: the date and time each period of excess emissions began and ended; the magnitude of the excess emission; the cause and the corrective action taken, if any. The report shall also identify those periods when the gas turbine was operating and valid, quality-assured emissions data were not being recorded.

Manufacturer Name/Model Number: CAI 600 CLD  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 77.51 pounds per hour  
Reference Test Method: 40 CFR Part 75  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2016.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-39: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-39.1:**  
The Compliance Certification activity will be performed for:

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Emission Unit: W-00001

Process: P07

Regulated Contaminant(s):

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

**Item 1-39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This condition is applicable to processes P07 (gas turbine co-firing firing oil and natural gas and firing natural gas in the duct burner).

Emissions of oxides of nitrogen must not exceed an emission that is prorated based on the relative heat inputs from oil and natural gas.

Allowable emission rate =  $((42 \text{ ppmdv} \times H_{\text{Ing}}) + (65 \text{ ppmdv} \times H_{\text{Io}}) / (H_{\text{Ing}} + H_{\text{Io}}))$

where  $H_{\text{Ing}}$  is the heat input from natural gas (higher heating value) during the hour, calculated using the higher heating value of the most recent natural gas analysis;

and  $H_{\text{Io}}$  is the heat input from oil combustion (higher heating value) during the hour, based on the highest Gross Calorific Value of the most recent fuel oil analysis in accordance with 40 CFR Part 75, App D;

and NGL, ppmdv is the NO<sub>x</sub> PSD emission limit for the firing of natural gas in the gas turbine, 42 ppmdv corrected to 15% O<sub>2</sub> at all loads, and

FOL, ppmdv is the NO<sub>x</sub> PSD emission limit for the firing of distillate oil in the gas turbine, 65 ppmdv corrected to 15% O<sub>2</sub> at all loads.

Compliance shall be determined using a CEM that meets the specifications in 40 CFR Part 75. The data need not be bias-adjusted.

The owner or operator shall submit to the DEC, on a calendar quarter basis, a report stating: the date and time each period of excess emissions began and ended; the magnitude of the excess emission; the cause and the corrective action taken, if any. The report shall also identify those periods when the gas turbine was operating and valid, quality-assured emissions data were not being recorded.

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Manufacturer Name/Model Number: CAI 600 CLD  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 42 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: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2016.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-40: Compliance Certification**  
**Effective between the dates of 08/05/2016 and 12/13/2020**

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

**Item 1-40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001  
Process: P07

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

**Item 1-40.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable to process P07, co-firing oil and natural gas in the gas turbine and natural gas in the duct burner.

PM-10 emissions shall not exceed 0.01 pounds per million Btu when firing natural gas, 0.033 pounds per million Btu when firing oil, and a pro-rated value based on the heat inputs from each fuel when co-firing.

Emissions of oxides of nitrogen must not exceed an emission that is prorated based on the relative heat inputs from oil and natural gas.

Allowable emission rate =  $((E_{ng}, \text{lb/mmBTU} \times H_{Ing}) + (E_{o}, \text{lb/mmBTU} \times H_{Io})) / (H_{Ing} + H_{Io})$

where  $H_{Ing}$  is the heat input from natural gas (higher heating value) during the hour, calculated using the higher heating value of the most recent natural gas analysis;

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and H<sub>10</sub> is the heat input from oil combustion (higher heating value) during the hour, based on the highest Gross Calorific Value of the most recent fuel oil analysis in accordance with 40 CFR Part 75, App D;

and Eng, lb/mmBTU is the PM-10 PSD concentration emission limit for the firing of natural gas in the gas turbine (0.01 pounds per million Btu), and

E<sub>o</sub>, lb/mmBTU is the PM-10 PSD concentration emission limit for the firing of distillate oil in the gas turbine (0.033 pounds per million Btu).

Compliance shall be determined by an emission test performed upon the request of the DEC.

Parameter Monitored: PM-10

Upper Permit Limit: 0.010 pounds per million Btus

Reference Test Method: EPA RM 201

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 59: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Emission Point: 00001

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack visible emissions from the gas turbine/duct burner stack shall not exceed 20% opacity (6 minute average), except for one 6 minute average per hour not to exceed 27% opacity. Compliance shall be demonstrated using EPA Reference Method 9 upon request of the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA RM 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 60: Compliance Certification**

**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 60.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Emission Point: 00001

Regulated Contaminant(s):

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

**Item 60.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This condition applies to process P01, firing gas in the gas turbine and no fuel in the duct burners, and also process P04, firing gas in the gas turbine and the duct burner.

1. Emissions of NO<sub>x</sub> shall not exceed 32 ppm, corrected to 15% O<sub>2</sub>, on a 24 hour average or 30 day average, as described below. Pursuant to 6 NYCRR 227-2.4(e)(3), compliance shall be determined using a continuous emission monitoring system.
2. The owner or operator of an emission source that monitors NO<sub>x</sub> emissions with a CEMS must install, calibrate, maintain, and operate a CEMS for measuring NO<sub>x</sub> and must record the output of each such system.
3. The owner or operator must calculate:
  - (a) block hourly arithmetic average emission rates using data points generated by CEMS and expressed in terms of parts per million on a dry volume basis, corrected to 15 percent oxygen for the periods starting 12:00 AM to 1:00 AM, 1:00 AM to 2:00 AM, and so on; and
  - (b) 24 hour Btu-weighted emission rates from May 1 to September 30, and 30 day Btu-weighted emission rates during all other times. Alternatively, the facility may comply with the limit on a 24 hour Btu-weighted average at all times, January 1 - December 31.
4. At a minimum, valid CEMS data must be obtained for 90



percent of the operating hours in each calendar quarter that the subject facility is operating. All valid CEMS data must be used in calculating emission rates even if the minimum data requirements are not met.

5. The CEMS must meet the requirements of 40 CFR part 60, appendix B, Performance Specification 2 or 40 CFR Part 75, Appendices A and B, and any additional criteria specified by the department.

6. Annual recertifications, quarterly accuracy, and daily calibration drift tests must be performed in accordance with 40 CFR part 60, appendix F or 40 CFR part 75, as applicable.

7. When NO<sub>x</sub> emissions data are not obtained because of CEMS downtime, emission data shall be obtained by using the 90th percentile value of all CEMS NO<sub>x</sub> emission data collected over the last 180 days. Alternatively the owner or operator of a facility subject to part CFR 75 may use 40 CFR part 75 data substitution procedures for periods when no valid CEMS data is available.

8. Emissions, monitoring, and operating parameter records or measurements required by this Subpart, quarterly and annual summaries, and any additional parameters required by the department must be maintained for at least five years and made available to the department upon request.

9. Following each calendar quarter, the owner or operator must tabulate and summarize applicable emissions, monitoring, and operating parameter measurements recorded during the preceding three months (including but not limited to the type and amount of fuel burned on a daily basis, heat content of the fuel, total heating value of the fuel consumed on a daily basis, the actual NO<sub>x</sub> emission rate, the allowable NO<sub>x</sub> emission rate, and the summation of the emission sources included in a system averaging plan). These records must be submitted to the department within 30 days following the end of each calendar quarter in a format acceptable to the department and must include:

(a) the average NO<sub>x</sub> emission rates;

(b) identification of the operating hours when NO<sub>x</sub> emissions data are not included in the calculation of the average emission rate and the reasons for not including that data; and

(c) the results of accuracy assessments as required by 40



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CFR part 60, appendix F and any additional data quality information required by the department.

Manufacturer Name/Model Number: Continuous Emission Monitor

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 32 parts per million by volume (dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR Part 60 App B and F or 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HR ROLLING AVG., CALCULATED EA. HR AS THE AVG OF THE PAST 24 OPERATING HRS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 61: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Emission Point: 00001

Regulated Contaminant(s):

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

**Item 61.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

1. No later than one year after first emitting 117 tons of NO<sub>x</sub> over any 12 consecutive month period, the owner or operator shall commence installation of dry low NO<sub>x</sub> technology or other NO<sub>x</sub> reduction technology. Within 18 months after first emitting 117 tons of NO<sub>x</sub> over any 12 consecutive month period, the owner shall meet a NO<sub>x</sub> limit of 9 ppm when firing natural gas, corrected to 15 % oxygen, averaged over a 24 hour period from May 1 to September 30, and a 30 day average at all other times.

2. The owner or operator shall propose a NO<sub>x</sub> limit when firing oil, based either on vendor guarantees or actual operation. The owner shall propose such limit after it has accumulated at least 30 days of operation on oil. Such operation does not need to be consecutive.





3. The owner or operator of an emission source that monitors NO<sub>x</sub> emissions with a CEMS must install, calibrate, maintain, and operate a CEMS for measuring NO<sub>x</sub> and must record the output of each such system.

4. The owner or operator must calculate:

(a) block hourly arithmetic average emission rates using data points generated by CEMS and expressed in terms of parts per million on a dry volume basis, corrected to 15 percent oxygen for the periods starting 12:00 AM to 1:00 AM, 1:00 AM to 2:00 AM, and so on; and

(b) 24 hour Btu-weighted emission rates from May 1 to September 30, and 30 day Btu-weighted emission rates during all other times.

5. At a minimum, valid CEMS data must be obtained for 90 percent of the operating hours in each calendar quarter that the subject facility is operating. All valid CEMS data must be used in calculating emission rates even if the minimum data requirements are not met.

6. The CEMS must meet the requirements of 40 CFR part 60, appendix B, Performance Specification 2 or 40 CFR Part 75, Appendices A and B, and any additional criteria specified by the department.

7. Annual recertifications, quarterly accuracy, and daily calibration drift tests must be performed in accordance with 40 CFR part 60, appendix F or 40 CFR part 75, as applicable.

8. When NO<sub>x</sub> emissions data are not obtained because of CEMS downtime, emission data shall be obtained by using the 90th percentile value of all CEMS NO<sub>x</sub> emission data collected over the last 180 days. Alternatively the owner or operator of a facility subject to part CFR 75 may use 40 CFR part 75 data substitution procedures for periods when no valid CEMS data is available.

9. Emissions, monitoring, and operating parameter records or measurements required by this Subpart, quarterly and annual summaries, and any additional parameters required by the department must be maintained for at least five years and made available to the department upon request.

10. Following each calendar quarter, the owner or operator must tabulate and summarize applicable emissions, monitoring, and operating parameter measurements recorded

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during the preceding three months (including but not limited to the type and amount of fuel burned on a daily basis, heat content of the fuel, total heating value of the fuel consumed on a daily basis, the actual NOx emission rate, the allowable NOx emission rate, and the summation of the emission sources included in a system averaging plan). These records must be submitted to the department within 30 days following the end of each calendar quarter in a format acceptable to the department and must include:

- (a) the average NOx emission rates;
- (b) identification of the operating hours when NOx emissions data are not included in the calculation of the average emission rate and the reasons for not including that data; and
- (c) the results of accuracy assessments as required by 40 CFR part 60, appendix F and any additional data quality information required by the department.

Manufacturer Name/Model Number: Continuous Emission Monitor  
 Parameter Monitored: OXIDES OF NITROGEN  
 Upper Permit Limit: 9.0 parts per million by volume  
 (dry, corrected to 15% O2)  
 Reference Test Method: 40 CFR Part 60, App B and F or Part 75, App A, B  
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
 Averaging Method: 24-HR ROLLING AVG., CALCULATED EA. HR AS THE AVG OF THE PAST 24 OPERATING HRS  
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 62: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 62.1:**  
 The Compliance Certification activity will be performed for:

Emission Unit: W-00001                      Emission Point: 00001

**Item 62.2:**  
 Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
 Monitoring Description:



The type and amount of fuel burned in the gas turbine and duct burner must be monitored and recorded. Data must be accurate to within +/- 5%. Fuel monitoring equipment must be maintained and calibrated in accordance with the device manufacturer's recommendations.

Monitoring Frequency: CONTINUOUS  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2016.  
Subsequent reports are due every 6 calendar month(s).

**Condition 63: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 63.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001                      Emission Point: 00001  
Process: P02

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:

This condition applies to process P02, firing oil in the gas turbine and no fuel in the duct burners.

1. Emissions of NO<sub>x</sub> shall not exceed 54 ppm, corrected to 15% O<sub>2</sub>, on a 24 hour average or 30 day average, as described below. Pursuant to 6 NYCRR 227-2.4(e)(3), compliance shall be determined using a continuous emission monitoring system.
2. The owner or operator of an emission source that monitors NO<sub>x</sub> emissions with a CEMS must install, calibrate, maintain, and operate a CEMS for measuring NO<sub>x</sub> and must record the output of each such system.
3. The owner or operator must calculate:
  - (a) block hourly arithmetic average emission rates using data points generated by CEMS and expressed in terms of parts per million on a dry volume basis, corrected to 15 percent oxygen for the periods starting 12:00 AM to 1:00 AM, 1:00 AM to 2:00 AM, and so on; and



(b) 24 hour Btu-weighted emission rates from May 1 to September 30, and 30 day Btu-weighted emission rates during all other times. Alternatively, the owner or operator may base compliance on a 24 hour Btu-weighted average at all times, January 1 - December 31.

4. At a minimum, valid CEMS data must be obtained for 90 percent of the operating hours in each calendar quarter that the subject facility is operating. All valid CEMS data must be used in calculating emission rates even if the minimum data requirements are not met.

5. The CEMS must meet the requirements of 40 CFR part 60, appendix B, Performance Specification 2 or 40 CFR Part 75, Appendicees A and B, and any additional criteria specified by the department.

6. Annual recertifications, quarterly accuracy, and daily calibration drift tests must be performed in accordance with 40 CFR part 60, appendix F or 40 CFR part 75, as applicable.

7. When NO<sub>x</sub> emissions data are not obtained because of CEMS downtime, emission data shall be obtained by using the 90th percentile value of all CEMS NO<sub>x</sub> emission data collected over the last 180 days. Alternatively the owner or operator of a facility subject to part CFR 75 may use 40 CFR part 75 data substitution procedures for periods when no valid CEMS data is available.

8. Emissions, monitoring, and operating parameter records or measurements required by this Subpart, quarterly and annual summaries, and any additional parameters required by the department must be maintained for at least five years and made available to the department upon request.

9. Following each calendar quarter, the owner or operator must tabulate and summarize applicable emissions, monitoring, and operating parameter measurements recorded during the preceding three months (including but not limited to the type and amount of fuel burned on a daily basis, heat content of the fuel, total heating value of the fuel consumed on a daily basis, the actual NO<sub>x</sub> emission rate, the allowable NO<sub>x</sub> emission rate, and the summation of the emission sources included in a system averaging plan). These records must be submitted to the department within 30 days following the end of each calendar quarter in a format acceptable to the department and must include:

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- (a) the average NOx emission rates;
- (b) identification of the operating hours when NOx emissions data are not included in the calculation of the average emission rate and the reasons for not including that data; and
- (c) the results of accuracy assessments as required by 40 CFR part 60, appendix F and any additional data quality information required by the department.

Manufacturer Name/Model Number: Continuous Emission Monitor  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 54 parts per million by volume (dry, corrected to 15% O2)  
Reference Test Method: 40 CFR Part 60 App B and F or Part 75 App A and B  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 24-HR ROLLING AVG., CALCULATED EA. HR AS THE AVG OF THE PAST 24 OPERATING HRS  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2016.  
Subsequent reports are due every 3 calendar month(s).

**Condition 64: Compliance Certification**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 64.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: W-00001	Emission Point: 00001
Process: P02	Emission Source: W00GT

**Item 64.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:  
Total annual No. 2 distillate fuel oil use shall not exceed 8.14 million gallons on a daily rolling basis. Fuel monitoring equipment must be maintained and calibrated in accordance with the device manufacturer's recommendations.

Work Practice Type: PROCESS MATERIAL THRUPUT  
Process Material: NUMBER 2 OIL  
Upper Permit Limit: 8.14 million gallons  
Monitoring Frequency: DAILY



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Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 65: Subpart Dc - Applicability for 10-100 mmBtu/hr sources  
Effective between the dates of 12/14/2015 and 12/13/2020**

**Applicable Federal Requirement:40CFR 60.40c, NSPS Subpart Dc**

**Item 65.1:**

This Condition applies to Emission Unit: W-00001 Emission Point: 00001

Process: P03

Emission Source:

W00DB

**Item 65.2:**

**This source is subject to the requirements of 40CFR60 Subpart Dc.**



**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 66: Contaminant List**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

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

**Item 66.1:**

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: 0NY075-00-0  
Name: PARTICULATES

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

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

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

**Condition 67: Malfunctions and start-up/shutdown activities**  
**Effective between the dates of 12/14/2015 and 12/13/2020**





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

**Item 67.1:**

(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 68: Visible Emissions Limited**  
**Effective between the dates of 12/14/2015 and 12/13/2020**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 68.1:**

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 69: Compliance Demonstration**  
Effective between the dates of 12/14/2015 and 12/13/2020

**Applicable State Requirement:6 NYCRR Part 242**

**Item 69.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 69.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. As of midnight, March 1 or, if that March 1 is not a business day, midnight of the first business day thereafter, the owners or operators shall hold (in the compliance account) CO<sub>2</sub> allowances available for compliance deduction in an amount not less than the total CO<sub>2</sub> emissions for the Control Period as such term is defined in 6 NYCRR 242-1.2(b)(40) for all CO<sub>2</sub> budget units at the source.
2. CO<sub>2</sub> allowances shall not be deducted, in order to comply with 6 NYCRR 242-1.5(c)(1), for a Control Period that ends prior to the allocation year for which the CO<sub>2</sub> allowance was allocated.
3. The owner or operator of a CO<sub>2</sub> budget source that has excess emissions in any Control Period shall forfeit the CO<sub>2</sub> allowances required for deduction under 6 NYCRR 242-6.5(d)(1), provided CO<sub>2</sub> offset allowances may not be used to cover any part of such excess emissions; and pay any fine, penalty, or assessment or comply with any other remedy imposed under 6 NYCRR 242-6.5(d)(2).
4. Each CO<sub>2</sub> budget source shall have only one authorized account representative and may have one alternate CO<sub>2</sub> authorized account representative, as specified in 242-2. Each submission under the CO<sub>2</sub> Budget Trading Program shall be submitted, signed, and certified by the CO<sub>2</sub> authorized account representative (or alternate AAR) and include the following statement: "I am authorized to make this submission on behalf of the owners and operators of the CO<sub>2</sub> budget sources or CO<sub>2</sub> budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant



penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

5. A CO<sub>2</sub> authorized account representative (or his or her alternate) may delegate, to one or more natural persons, his or her authority to make an electronic submission to the department or its agent. In order to delegate authority to make an electronic submission, the CO<sub>2</sub> authorized account representative (or alternate) must submit to the department a notice of delegation as specified in 6 NYCRR 242-2.6.

6. For each control period to which a CO<sub>2</sub> budget source is subject to the CO<sub>2</sub> requirements of 6 NYCRR 242-1.5, the CO<sub>2</sub> authorized account representative (or alternate) shall submit to the DEC, by March 1 following the relevant Control Period, a compliance certification report. The report shall be in a format prescribed by the department and include

i) identification of the source and each CO<sub>2</sub> budget unit at the source;

ii) at the CO<sub>2</sub> authorized account representative's (or alternate's) option, the serial numbers of the CO<sub>2</sub> allowances to be deducted; and

iii) the compliance certification of 6 NYCRR 242-4.1(c).

7. No owner or operator of a CO<sub>2</sub> budget unit shall operate the unit so as to discharge, or allow to be discharged, CO<sub>2</sub> emissions to the atmosphere without accounting for all such emissions in accordance with 6 NYCRR 242 and 40 CFR Part 75.

8. The owners and operators and, to the extent applicable, the CO<sub>2</sub> authorized account representative (or alternate) of a CO<sub>2</sub> budget unit shall comply with the monitoring, recordkeeping and reporting requirements as provided in 6 NYCRR 242; and 40 CFR Part 75. The owner or operator of each CO<sub>2</sub> budget unit must install all monitoring systems necessary to monitor CO<sub>2</sub> mass emissions in accordance with 40 CFR Part 75, except for equation G1. Equation G1 in appendix G shall not be used to determine CO<sub>2</sub> emissions under 6 NYCRR 242. The owners or operators must successfully complete all certification tests required under 6 NYCRR 242-8.2 and 40 CFR Part 75 and record, report and quality-assure the data from the monitoring systems.

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9. No owner or operator of a CO2 budget unit shall use any alternative monitoring system, alternative reference method or any other alternative for the required continuous emission monitoring system without obtaining prior written approval.

10. No owner or operator of a CO2 budget unit shall disrupt the continuous emission monitoring system except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of 6 NYCRR 242 and 40 CFR Part 75.

11. The CO2 authorized account representative shall submit quarterly reports to the department or its agent within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in Subpart H of 40 CFR Part 75 and 40 CFR 75.64. Quarterly reports shall be submitted for each CO2 budget unit (or groups of units using a common stack) and shall include all of the data and information required in subpart G of 40 CFR Part 75 except for opacity, NOx and SO2 provisions. Each quarterly report shall contain the certification required in 6 NYCRR 242-8.5(d)(3).

12. On a calendar year annual basis the owner or operator shall state, in the annual certification, whether he or she has complied with this condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

