

Facility DEC ID: 7351200005

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 7-3512-00005/00006
Effective Date: 04/05/2022 Expiration Date: 04/04/2027

Permit Type: Title IV (Phase II Acid Rain)
Permit ID: 7-3512-00005/00010
Effective Date: 04/05/2022 Expiration Date: 04/04/2027

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

Contact: JOHN B KINGSTON
105 MITCHELL ST
OSWEGO, NY 13126

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

Description:

The facility is an independent power generating facility which sells power to the NYISO. The facility is a combined cycle gas turbine utilizing a GE Frame 6 gas turbine with evaporative cooler, an HRSG with Coen duct burner and a GE steam turbine generator. The plant is operated from a centralized control room through a Foxboro Distributed Control System. Circulating water is cooled through a three-cell wet cooling tower. Natural gas is the primary fuel for both the gas turbine and duct burner. Number 2 distillate oil is the backup fuel for the gas turbine. The duct burner fires gas only. A 150,000-gallon storage tank is provided for fuel oil storage. When firing natural gas, the facility operates between 50% (approximately 24 MWs) and 100% load. When firing fuel oil, the facility operates between 80% and 100% load. Oil firing is limited to 8.14 million gallons annually. Total operating hours are not limited. The gas turbine is equipped with steam injection for NOx control. The duct burner utilizes low NOx burners. This level constitutes BACT for this facility.

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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: KEVIN M BALDUZZI
NYSDEC - REGION 7
615 ERIE BLVD W
SYRACUSE, NY 13204

Authorized Signature: _____

Date: ___ / ___ / _____

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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.

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- 5 1 Facility Inspection by the Department
- 5 2 Relationship of this Permit to Other Department Orders and Determinations
- 5 3 Applications for permit renewals, modifications and transfers
- 6 4 Permit modifications, suspensions or revocations by the Department

Facility Level

- 6 5 Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS

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DEC GENERAL CONDITIONS

**** General Provisions ****

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department**Applicable State Requirement: ECL 19-0305****Item 1.1:**

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

Item 1.2:

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

Item 1.3:

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

Condition 2: Relationship of this Permit to Other Department Orders and Determinations**Applicable State Requirement: ECL 3-0301 (2) (m)****Item 2.1:**

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

Condition 3: Applications for permit renewals, modifications and transfers**Applicable State Requirement: 6 NYCRR 621.11****Item 3.1:**

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

Item 3.2:

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

Item 3.3

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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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

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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

Permit Effective Date: 04/05/2022

Permit Expiration Date: 04/04/2027

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- 10 2 6 NYCRR 201-6.4 (a) (7): Fees
- 10 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 10 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 10 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 13 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 15 7 6 NYCRR 202-2.1: Compliance Certification
- 15 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 15 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 16 10 6 NYCRR 200.7: Maintenance of Equipment
- 17 11 6 NYCRR 201-1.7: Recycling and Salvage
- 17 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 17 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 17 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 18 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 18 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 18 17 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 19 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 19 40 CFR Part 68: Accidental release provisions.
- 20 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 20 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 20 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 21 23 6 NYCRR 201-6.4 (f): Operational Flexibility
- 21 24 6 NYCRR 211.2: Visible Emissions Limited
- 21 25 6 NYCRR 225-1.2 (d): Compliance Certification
- 22 26 6 NYCRR 227-1.3 (a): Compliance Certification
- 22 27 40CFR 52.21(j), Subpart A: Compliance Certification
- 23 28 40CFR 52.21(j), Subpart A: Compliance Certification
- 24 29 40 CFR Part 97: Federal Cross-State Air Pollution Regulation (CSAPR)
- 24 30 40CFR 97.1006, Subpart GGGG: Compliance Certification
- 25 31 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 25 32 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=W-00001

- 28 33 6 NYCRR 201-6.4 (f): Compliance Certification
- 29 34 6 NYCRR 231-11.2 (b): Compliance Certification
- 30 35 40CFR 52.21(j), Subpart A: Compliance Certification
- 31 36 40CFR 60, NSPS Subpart A: Compliance Certification
- 31 37 40CFR 60.334(a), NSPS Subpart GG: Compliance Certification
- 32 38 40CFR 60.334(b), NSPS Subpart GG: Compliance Certification
- 32 39 40CFR 97.406, Subpart AAAAA: Compliance Certification
- 33 40 40CFR 97.606, Subpart CCCCC: Compliance Certification

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EU=W-00001,Proc=P01

- 35 41 40CFR 52.21(j), Subpart A: Compliance Certification
- 35 42 40CFR 52.21(j), Subpart A: Compliance Certification
- 36 43 40CFR 52.21(j), Subpart A: Compliance Certification
- 37 44 40CFR 52.21(j), Subpart A: Compliance Certification
- 37 45 40CFR 52.21(j), Subpart A: Compliance Certification
- 38 46 40CFR 52.21(j), Subpart A: Compliance Certification
- 39 47 40CFR 52.21(j), Subpart A: Compliance Certification
- 39 48 40CFR 52.21(j), Subpart A: Compliance Certification
- 40 49 40CFR 52.21(j), Subpart A: Compliance Certification
- 41 50 40CFR 52.21(j), Subpart A: Compliance Certification

EU=W-00001,Proc=P02

- 42 51 40CFR 52.21(j), Subpart A: Compliance Certification
- 42 52 40CFR 52.21(j), Subpart A: Compliance Certification
- 43 53 40CFR 52.21(j), Subpart A: Compliance Certification
- 44 54 40CFR 52.21(j), Subpart A: Compliance Certification
- 44 55 40CFR 52.21(j), Subpart A: Compliance Certification
- 45 56 40CFR 52.21(j), Subpart A: Compliance Certification
- 46 57 40CFR 52.21(j), Subpart A: Compliance Certification
- 46 58 40CFR 52.21(j), Subpart A: Compliance Certification
- 47 59 40CFR 52.21(j), Subpart A: Compliance Certification
- 48 60 40CFR 52.21(j), Subpart A: Compliance Certification

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

- 49 61 40CFR 60.48c, NSPS Subpart Dc: Recordkeeping and reporting.

EU=W-00001,Proc=P04

- 49 62 40CFR 52.21(j), Subpart A: Compliance Certification
- 50 63 40CFR 52.21(j), Subpart A: Compliance Certification
- 50 64 40CFR 52.21(j), Subpart A: Compliance Certification
- 51 65 40CFR 52.21(j), Subpart A: Compliance Certification
- 52 66 40CFR 52.21(j), Subpart A: Compliance Certification
- 52 67 40CFR 52.21(j), Subpart A: Compliance Certification
- 53 68 40CFR 52.21(j), Subpart A: Compliance Certification
- 54 69 40CFR 52.21(j), Subpart A: Compliance Certification
- 54 70 40CFR 52.21(j), Subpart A: Compliance Certification
- 55 71 40CFR 52.21(j), Subpart A: Compliance Certification

EU=W-00001,Proc=P05

- 56 72 6 NYCRR 201-6.4 (f): Compliance Certification
- 56 73 6 NYCRR 201-6.4 (f): Compliance Certification
- 57 74 6 NYCRR 201-6.4 (f): Compliance Certification
- 58 75 6 NYCRR 201-6.4 (f): Compliance Certification
- 59 76 6 NYCRR 201-6.4 (f): Compliance Certification
- 60 77 6 NYCRR 201-6.4 (f): Compliance Certification
- 61 78 6 NYCRR 201-6.4 (f): Compliance Certification

EU=W-00001,Proc=P06

- 61 79 6 NYCRR 201-6.4 (f): Compliance Certification
- 63 80 6 NYCRR 201-6.4 (f): Compliance Certification
- 64 81 6 NYCRR 201-6.4 (f): Compliance Certification
- 65 82 6 NYCRR 201-6.4 (f): Compliance Certification

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- 67 83 6 NYCRR 201-6.4 (f): Compliance Certification
- 68 84 6 NYCRR 201-6.4 (f): Compliance Certification
- 69 85 6 NYCRR 201-6.4 (f): Compliance Certification

EU=W-00001,Proc=P07

- 70 86 6 NYCRR 201-6.4 (f): Compliance Certification
- 71 87 6 NYCRR 201-6.4 (f): Compliance Certification
- 73 88 6 NYCRR 201-6.4 (f): Compliance Certification
- 74 89 6 NYCRR 201-6.4 (f): Compliance Certification
- 75 90 6 NYCRR 201-6.4 (f): Compliance Certification
- 77 91 6 NYCRR 201-6.4 (f): Compliance Certification
- 78 92 6 NYCRR 201-6.4 (f): Compliance Certification

EU=W-00001,EP=00001

- 79 93 6 NYCRR 227-2.4 (e) (2): Compliance Certification
- 82 94 6 NYCRR 227-2.4 (e) (2): Compliance Certification
- 84 95 6 NYCRR 227-2.4 (e) (2): Compliance Certification
- 86 96 40CFR 52.21(j), Subpart A: Compliance Certification

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

- 87 97 40CFR 52.21(j), Subpart A: Compliance Certification

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

- 87 98 40CFR 60.40c, NSPS Subpart Dc: Subpart Dc - Applicability for 10-100 mmBtu/hr sources

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 90 99 ECL 19-0301: Contaminant List
- 91 100 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
- 91 101 6 NYCRR 201-6.5 (a): CLCPA Applicability
- 92 102 6 NYCRR 211.1: Air pollution prohibited
- 92 103 6 NYCRR Part 242: Compliance Demonstration
- 95 104 6 NYCRR 251.6 (d): Compliance Demonstration
- 95 105 6 NYCRR 251.6 (f): Compliance Demonstration

Emission Unit Level

EU=W-00001,EP=00001

- 96 106 6 NYCRR 251.3 (b): Compliance Demonstration

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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 2/FINAL

**** 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

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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;

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- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

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

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

- i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the department pursuant to the provisions of section 201- 6.6 of this Subpart.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.
- iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

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

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

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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 04/05/2022 and 04/04/2027

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

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

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Condition 2: Fees

Effective between the dates of 04/05/2022 and 04/04/2027

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 04/05/2022 and 04/04/2027

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 04/05/2022 and 04/04/2027

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 04/05/2022 and 04/04/2027

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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

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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.

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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 7/30/2022.

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

Condition 6: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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.

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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 – Air Compliance Branch
USEPA Region 2 DECA/ACB
290 Broadway, 21st Floor
New York, NY 10007

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
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
The initial report is due 1/30/2023.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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 04/05/2022 and 04/04/2027

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 04/05/2022 and 04/04/2027

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:

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- (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 04/05/2022 and 04/04/2027**

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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 04/05/2022 and 04/04/2027

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 04/05/2022 and 04/04/2027

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 04/05/2022 and 04/04/2027

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 04/05/2022 and 04/04/2027

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

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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 04/05/2022 and 04/04/2027

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 16: Right to Inspect
Effective between the dates of 04/05/2022 and 04/04/2027

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: Right to Inspect
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 17.1:

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

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(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 18: Required Emissions Tests
Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

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

Condition 19: Accidental release provisions.
Effective between the dates of 04/05/2022 and 04/04/2027

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

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Carrollton, Md. 20785

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 04/05/2022 and 04/04/2027

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 04/05/2022 and 04/04/2027

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: 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 04/05/2022 and 04/04/2027

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

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(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: Operational Flexibility

Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement:6 NYCRR 201-6.4 (f)**Item 23.1:**

A permit modification is not required for changes that are provided for in the permit. Such changes include approved alternate operating scenarios and changes that have been submitted and approved pursuant to an established operational flexibility protocol and the requirements of this section. Each such change cannot be a modification under any provision of Title I of the Clean Air Act or exceed, or cause the facility to exceed, an emissions cap or limitation in the permit. The facility owner or operator must incorporate all changes into any compliance certifications, record keeping, and/or reporting required by the permit.

Condition 24: Visible Emissions Limited

Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement:6 NYCRR 211.2**Item 24.1:**

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 25: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement:6 NYCRR 225-1.2 (d)**Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners or operators of emission sources that fire distillate oil are limited to a 0.0015 percent sulfur content by weight of the fuel. Compliance with the sulfur-in-fuel limitation is based on fuel vendor receipts. All fuel vendor receipts must be maintained on site or at a Department approved alternative location for a minimum of five years.

Note - Process sources and incinerators must comply with

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the above requirements on or after July 1, 2023.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
 Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
 Parameter Monitored: SULFUR CONTENT
 Upper Permit Limit: 0.0015 percent by weight
 Monitoring Frequency: PER DELIVERY
 Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
 TIME (INSTANTANEOUS/DISCRETE OR GRAB)
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2022.
 Subsequent reports are due every 6 calendar month(s).

Condition 26: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 26.1:
 The Compliance Certification activity will be performed for the Facility.

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

Item 26.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
 Monitoring Description:

The owner or operator of a stationary combustion installation shall submit a compliance test protocol to the Department for approval at least 30 days prior to conducting compliance testing of the 0.1 lb/mmBtu particulate matter standard. The owner or operator shall submit the results to the Department for approval within 60 days of the conclusion of compliance testing. Testing shall be conducted once every five years. All records associated with the testing shall be maintained on site or at a Department approved alternative location for a minimum of five years.

Parameter Monitored: PARTICULATES
 Upper Permit Limit: 0.1 pounds per million Btus
 Reference Test Method: 40 CFR 60, Appendix A, Method 5
 Monitoring Frequency: Once every five years
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 27: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

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Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 27.2:

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 7/30/2022.

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

Condition 28: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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 7/30/2022.
 Subsequent reports are due every 3 calendar month(s).

**Condition 29: Federal Cross-State Air Pollution Regulation (CSAPR)
 Effective between the dates of 04/05/2022 and 04/04/2027**

Applicable Federal Requirement:40 CFR Part 97

Item 29.1: This facility is subject to the CSAPR requirements found in 40 CFR Part 97.

**Condition 30: Compliance Certification
 Effective between the dates of 04/05/2022 and 04/04/2027**

Applicable Federal Requirement:40CFR 97.1006, Subpart GGGGG

Item 30.1:
 The Compliance Certification activity will be performed for the Facility.

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

Item 30.2:
 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 §§97.1013 through 97.1018 of Subpart GGGGG. The facility shall notify the Department of this representative (and alternate) with contact information upon issuance of this permit and when any changes are made to the representative (or alternate) or their contact information.

(2) The facility, and the designated representative, of each CSAPR NOx Ozone Season Group 3 source (facility) and each CSAPR NOx Ozone Season Group unit at the facility must comply with the monitoring, reporting, and recordkeeping requirements of §§97.1030 through 97.1035 of Subpart GGGGG 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

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continuous emission monitoring equipment are to be submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter.

All other monitoring data are to be 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 CSAPR NOx Ozone Season allowances and to determine compliance with the CSAPR 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 CSAPR NOx Ozone Season facility and each CSAPR NOx Ozone Season Unit at the facility shall hold, in the facilities compliance account, CSAPR NOx Ozone Season allowances available for deduction for such control period under §97.1024(a) in an amount not less than the tons of total NOx emissions for such control period from all CSAPR NOx Ozone Season Group 3 units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Condition 31: Emission Point Definition By Emission Unit
Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 31.1:

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 32: Process Definition By Emission Unit
Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 32.1:

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

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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 32.2:

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

Emission Unit: W-00001

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 32.3:

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 32.4:

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

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

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

Condition 33: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 33.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

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

Item 33.2:

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

Reference Test Method: 40 CFR Part 60 Appendix B and F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2022.

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

Condition 34: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement: 6 NYCRR 231-11.2 (b)**Item 34.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. This permit authorizes the following:

i. Operation of the gas turbine while firing natural gas is authorized down to 50% load (approx. 24 MW at an ambient temperature of 48 F), or operation of the gas turbine is authorized down to 80% load (approx. 31.16 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:

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

- (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 NOx are 46.18 tons per year. On an 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 7/30/2022.
 Subsequent reports are due every 6 calendar month(s).

Condition 35: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 35.1:
 The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Item 35.2:
 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

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Facility DEC ID: 7351200005

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 7/30/2022.

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

Condition 36: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 36.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Item 36.2:

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 37: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Item 37.2:

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

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

(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 38: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 38.1:
 The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Item 38.2:
 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 39: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement:40CFR 97.406, Subpart AAAAA

Item 39.1:
 The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Regulated Contaminant(s):

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

Item 39.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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Facility DEC ID: 7351200005

§§97.413 through 97.418 of Subpart AAAAA. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 40: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement: 40CFR 97.606, Subpart CCCCC

Item 40.1:

The Compliance Certification activity will be performed for:

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Emission Unit: W-00001

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 40.2:

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 SO₂ Group 1 source (facility) and each TR SO₂ 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 SO₂ Group 1 allowances and to determine compliance with the TR SO₂ 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 SO₂ Group 1 facility and each TR SO₂ Group 1 Unit at the facility shall hold, in the facilities' compliance account, TR SO₂ Group 1 allowances available for deduction for such control period under §97.624(a) in an amount not less than the tons of total SO₂ emissions for such control period from all TR SO₂ Group 1 Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 41: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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: 0NY998-00-0 VOC

Item 41.2:

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 42: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P01

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Item 42.2:

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 43: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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: P01

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 43.2:

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.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 5.0 pounds per hour

Reference Test Method: EPA RM 5

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

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 44: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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: P01

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

Item 44.2:

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% O2) 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% O2)

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 7/30/2022.

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

Condition 45: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 45.1:

The Compliance Certification activity will be performed for:

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Emission Unit: W-00001
Process: P01

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

Item 45.2:

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 46: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001
Process: P01

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

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD emission limit for particulates. Turbine firing 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.

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

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 47: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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: P01

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)

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 7/30/2022.

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

Condition 48: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Item 48.1:

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 48.2:

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 7/30/2022.

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

Condition 49: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 49.1:

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 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

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% 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: 42.0 parts per million by volume (dry, corrected to 15% O2)
 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 7/30/2022.
 Subsequent reports are due every 3 calendar month(s).

Condition 50: Compliance Certification
 Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 50.1:

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 50.2:

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.

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

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

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 04/05/2022 and 04/04/2027

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: P02

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 51.2:

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 52: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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: P02

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Item 52.2:

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 53: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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: P02

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD emission limit for particulates. Turbine firing No. 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

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 54: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P02

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 54.2:

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 55: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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: P02

Regulated Contaminant(s):

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

Item 55.2:

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

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 56: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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: P02

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

Item 56.2:

Compliance Certification shall include the following monitoring:

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

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 57: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 57.1:

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 57.2:

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

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2022.

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

Condition 58: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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: P02

Regulated Contaminant(s):

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

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

Item 58.2:

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 7/30/2022.

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

Condition 59: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 59.1:

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 59.2:

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

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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 7/30/2022.
 Subsequent reports are due every 3 calendar month(s).

Condition 60: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 60.1:
 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 60.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
 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% O₂) 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% O₂)
 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 7/30/2022.
 Subsequent reports are due every 3 calendar month(s).

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Facility DEC ID: 7351200005

Condition 61: Recordkeeping and reporting.
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 61.1:

This Condition applies to Emission Unit: W-00001
Process: P03 Emission Source:
W00DB

Item 61.2:

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

Condition 62: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001
Process: P04

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

Item 62.2:

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

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Condition 63: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P04

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 63.2:

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

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 64: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P04

Regulated Contaminant(s):

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

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

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 65: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P04

Regulated Contaminant(s):

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

Item 65.2:

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

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Condition 66: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P04

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 66.2:

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

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 67: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P04

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PSD limit for PM. Turbine and duct burner both firing

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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 68: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 68.1:
 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 68.2:
 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 7/30/2022.
 Subsequent reports are due every 3 calendar month(s).

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Condition 69: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement:40CFR 52.21(j), Subpart A**Item 69.1:**

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 69.2:

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 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 7/30/2022.

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

Condition 70: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement:40CFR 52.21(j), Subpart A**Item 70.1:**

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

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Item 70.2:

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 7/30/2022.

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

Condition 71: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 71.1:

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 71.2:

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% O2) based on a one hour average. Compliance shall be determined by the use of CEMS.

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

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% O2)
 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 7/30/2022.
 Subsequent reports are due every 3 calendar month(s).

Condition 72: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 72.1:
 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 72.2:
 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 73: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Item 73.1:

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 73.2:

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% O₂, calculated on a one hour average.

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% O₂)

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 7/30/2022.

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

Condition 74: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 74.1:

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Emission Unit: W-00001
 Process: P05

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

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Emissions of carbon monoxide must not exceed the mass emissions limit as shown in Figure(2) which is attached. At 48 deg F, the CO mass emissions limit is 13.84 lb/hr 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: 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 7/30/2022.
 Subsequent reports are due every 3 calendar month(s).

Condition 76: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 76.1:

The Compliance Certification activity will be performed for:

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Emission Unit: W-00001
Process: P05

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

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition 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 DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 77: Compliance Certification

Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001
Process: P05

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

Item 77.2:

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

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Facility DEC ID: 7351200005

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 78: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 78.1:
 The Compliance Certification activity will be performed for:

Emission Unit: W-00001
 Process: P05

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

Item 78.2:
 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 79: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 79.1:

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

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 79.2:

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

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_x 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_x 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

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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 7/30/2022.
 Subsequent reports are due every 3 calendar month(s).

Condition 80: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 80.1:

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 80.2:

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 = $((42 \text{ ppmdv} \times \text{HIng}) + (65 \text{ ppmdv} \times \text{HIo})) / (\text{HIng} + \text{HIo})$

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 H₁₀ 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, ppm_{dv} is the NO_x PSD emission limit for the firing of natural gas in the gas turbine, 42 ppm_{dv} corrected to 15% O₂ at all loads, and

FOL, ppm_{dv} is the NO_x PSD emission limit for the firing of distillate oil in the gas turbine, 65 ppm_{dv} corrected to 15% O₂ 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.

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% O₂)
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 7/30/2022.
Subsequent reports are due every 3 calendar month(s).

Condition 81: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001
Process: P06

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

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Item 81.2:

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.

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 7/30/2022.
 Subsequent reports are due every 3 calendar month(s).

Condition 82: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001
 Process: P06

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

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Item 82.2:

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.

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

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, 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 83: Compliance Certification

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Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement: 6 NYCRR 201-6.4 (f)**Item 83.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Process: P06

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 83.2:

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).

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.

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

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 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).

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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 84: Compliance Certification
 Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001
 Process: P06

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

Item 84.2:

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.

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

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;

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 is the Particulate limit of 5 pph for firing

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natural gas in the gas turbine, and Eo, 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

Condition 85: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 85.1:
 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 85.2:
 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.

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

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;

and HIo is the heat input from oil combustion (higher heating value) during the hour, based on the highest Gross

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Calorific Value of the most recent fuel oil analysis in accordance with 40 CFR Part 75, App D;

and Eng is the Particulate limit of 5 pph for firing natural gas in the gas turbine, and Eo, 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 DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 86: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 86.1:

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 86.2:

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

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

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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, 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

E_o, pph is the CO 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 13.84 pph; E_o 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 7/30/2022.
Subsequent reports are due every 3 calendar month(s).

Condition 87: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 87.1:

The Compliance Certification activity will be performed for:

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Emission Unit: W-00001
 Process: P07

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

Item 87.2:

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.

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.

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

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, 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

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

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 88: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 88.1:

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 88.2:

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.

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

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;

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

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duct burner (5.3 pounds per hour), and

E_o, 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 DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 89: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001
 Process: P07

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

Item 89.2:

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.

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 = $((E_{ng}, pph \times H_{Ing}) + (E_o, pph \times H_{Io})) / (H_{Ing} + H_{Io})$

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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, pph is the particulate 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

E_o, 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 90: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 90.1:

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 90.2:

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).

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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;

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_x 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

Eo, pph is the NO_x 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; Eo 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.

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The initial report is due 7/30/2022.
Subsequent reports are due every 3 calendar month(s).

Condition 91: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 91.1:

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 91.2:

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 = $((42 \text{ ppmdv} \times \text{HIng}) + (65 \text{ ppmdv} \times \text{HIo})) / (\text{HIng} + \text{HIo})$

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 NGL, ppmdv is the NO_x PSD emission limit for the firing of natural gas in the gas turbine, 42 ppmdv corrected to 15% O₂ at all loads, and

FOL, ppmdv is the NO_x PSD emission limit for the firing of distillate oil in the gas turbine, 65 ppmdv corrected to 15% O₂ at all loads.

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

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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: 42 parts per million by volume (dry, corrected to 15% O₂)
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 7/30/2022.
Subsequent reports are due every 3 calendar month(s).

Condition 92: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 92.1:

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 92.2:

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

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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 PM-10 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 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 93: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement: 6 NYCRR 227-2.4 (e) (2)

Item 93.1:

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 93.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

1. Emissions of NO_x shall not exceed 54 ppm, corrected to 15% O₂, 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_x emissions with a CEMS must install, calibrate, maintain, and operate a CEMS for measuring NO_x 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, 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_x emissions data are not obtained because of

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CEMS downtime, emission data shall be obtained by using the 90th percentile value of all CEMS NO_x 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_x emission rate, the allowable NO_x 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_x emission rates;
- (b) identification of the operating hours when NO_x 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 billion by volume (dry,
corrected to 15% O₂)

Reference Test Method: 40 CFR Part 60 App B and F or 40 CFR Part 5 75 App

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 7/30/2022.

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

Condition 94: Compliance Certification**Effective between the dates of 04/05/2022 and 04/04/2027****Applicable Federal Requirement: 6 NYCRR 227-2.4 (e) (2)****Item 94.1:**

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 94.2:

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_x shall not exceed 32 ppm, corrected to 15% O₂, 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_x emissions with a CEMS must install, calibrate, maintain, and operate a CEMS for measuring NO_x 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

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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_x emissions data are not obtained because of CEMS downtime, emission data shall be obtained by using the 90th percentile value of all CEMS NO_x 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_x emission rate, the allowable NO_x 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_x emission rates;

- (b) identification of the operating hours when NO_x 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

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Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 32 parts per billion by volume (dry, corrected to 15% O2)

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 7/30/2022.

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

Condition 95: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

Applicable Federal Requirement: 6 NYCRR 227-2.4 (e) (2)

Item 95.1:

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 95.2:

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 NOx over any 12 consecutive month period, the owner or operator shall commence installation of dry low NOx technology or other NOx reduction technology. Within 18 months after first emitting 117 tons of NOx over any 12 consecutive month period, the owner shall meet a NOx 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 NOx 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 NOx emissions with a CEMS must install, calibrate, maintain, and operate a CEMS for measuring NOx and must record the output of each such system.

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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_x emissions data are not obtained because of CEMS downtime, emission data shall be obtained by using the 90th percentile value of all CEMS NO_x 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 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_x emission rate, the allowable

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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

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

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

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 7/30/2022.

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

Condition 96: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: W-00001

Emission Point: 00001

Item 96.2:

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.

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Monitoring Frequency: CONTINUOUS
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2022.
 Subsequent reports are due every 6 calendar month(s).

Condition 97: Compliance Certification
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 97.1:
 The Compliance Certification activity will be performed for:

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

Item 97.2:
 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
 Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2022.
 Subsequent reports are due every 6 calendar month(s).

Condition 98: Subpart Dc - Applicability for 10-100 mmBtu/hr sources
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 98.1:
 This Condition applies to Emission Unit: W-00001 Emission Point: 00001
 Process: P03 Emission Source:
 W00DB

Item 98.2:
This source is subject to the requirements of 40CFR60 Subpart Dc.

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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 in 6 NYCRR 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 demonstrate, 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 facility was being properly operated and maintained;

(3) during the period of the emergency the facility owner or operator took all reasonable steps to minimize the 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 any 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 malfunction 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

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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 99: Contaminant List

Effective between the dates of 04/05/2022 and 04/04/2027

Applicable State Requirement:ECL 19-0301

Item 99.1:

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

CAS No: 000124-38-9
Name: CARBON DIOXIDE

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

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Condition 100: Malfunctions and Start-up/Shutdown Activities
Effective between the dates of 04/05/2022 and 04/04/2027

Applicable State Requirement:6 NYCRR 201-1.4

Item 100.1:

(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 maintenance and start-up/shutdown activities when they are expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when required by a permit condition or upon request by the department. Such reports shall state whether an exceedance occurred and if it was unavoidable, include the time, frequency and duration of the exceedance, 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 monitoring and quarterly reporting requirements need not submit additional reports of exceedances to the department.

(c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall 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. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. 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, the air contaminants emitted, and the resulting emission rates and/or opacity.

(d) The department may also require the facility 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 101: CLCPA Applicability
Effective between the dates of 04/05/2022 and 04/04/2027

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

Item 101.1:

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Pursuant to The New York State Climate Leadership and Community Protection Act (CLCPA) and Article 75 of the Environmental Conservation Law, emission sources shall comply with regulations to be promulgated by the Department to ensure that by 2030 statewide greenhouse gas emissions are reduced by 40% of 1990 levels, and by 2050 statewide greenhouse gas emissions are reduced by 85% of 1990 levels.

Condition 102: Air pollution prohibited
Effective between the dates of 04/05/2022 and 04/04/2027

Applicable State Requirement:6 NYCRR 211.1

Item 102.1:

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 103: Compliance Demonstration
Effective between the dates of 04/05/2022 and 04/04/2027

Applicable State Requirement:6 NYCRR Part 242

Item 103.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 103.2:

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) CO₂ allowances available for compliance deduction in an amount not less than the total CO₂ emissions for the Control Period as such term is defined in 6 NYCRR 242-1.2(b)(40) for all CO₂ budget units at the source.
2. CO₂ allowances shall not be deducted, in order to comply with 6 242-1.5(c)(1), for a Control Period that ends prior to the allocation year for which the CO₂ allowance was allocated.
3. The owner or operator of a CO₂ budget source that has excess emissions in any Control Period shall forfeit the CO₂ allowances required for deduction under 6 NYCRR 242-6.5(d)(1), provided CO₂ offset allowances may not be used to cover any part of such excess emissions; and pay

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

4. Each CO₂ budget source shall have only one authorized account representative and may have one alternate CO₂ authorized account representative, as specified in 242-2. Each submission under the CO₂ Budget Trading Program shall be submitted, signed, and certified by the CO₂ 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 CO₂ budget sources or CO₂ 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 CO₂ 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 CO₂ 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 CO₂ budget source is subject to the CO₂ requirements of 6 NYCRR 242-1.5, the CO₂ 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 CO₂ budget unit at the source;
- ii) at the CO₂ authorized account representative's (or alternate's) option, the serial numbers of the CO₂ allowances to be deducted; and
- iii) the compliance certification of 6 NYCRR 242-4.1(c).

7. No owner or operator of a CO₂ budget unit shall

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operate the unit so as to discharge, or allow to be discharged, CO₂ 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 CO₂ authorized account representative (or alternate) of a CO₂ 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 CO₂ budget unit must install all monitoring systems necessary to monitor CO₂ mass emissions in accordance with 40 CFR Part 75, except for equation G1. Equation G1 in appendix G shall not be used to determine CO₂ 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.

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, NO_x 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

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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 104: Compliance Demonstration
Effective between the dates of 04/05/2022 and 04/04/2027

Applicable State Requirement:6 NYCRR 251.6 (d)

Item 104.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 104.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a facility that utilizes vendor certified fuel receipts to monitor the Btu content of a fuel must maintain these receipts in a bound log book. The owner or operator must maintain all records associated with these requirements on site or at a location acceptable to the Department for a minimum of five years.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2022.

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

Condition 105: Compliance Demonstration
Effective between the dates of 04/05/2022 and 04/04/2027

Applicable State Requirement:6 NYCRR 251.6 (f)

Item 105.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 105.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators that choose not to demonstrate compliance with the provisions in subdivision 251.3(b) of this Part through the use of a CEM may utilize an alternative monitoring plan as approved by the Department. The owners or operators may submit their annual reports under one of the following provisions:

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(1) Sources subject to the reporting requirements of 6 NYCRR Subpart 202-2 of this Title may use their annual emission statement to satisfy the requirements of this subdivision, or

(2) Sources subject to the reporting requirements of 40 CFR Part 98 (see Table 1, section 200.9 of this Title) may use their annual submission to EPA to satisfy the requirements of this subdivision, or

(3) Sources that are not subject to the reporting requirements of 6 NYCRR Subpart 202-2 of this Title or 40 CFR Part 98 (see Table 1, section 200.9 of this Title) must submit an annual report, in a format prescribed by the Department, by the April 15th immediately following the end of the calendar year for which the annual report is required. At a minimum, the annual report should include:

- (i) Fuel type combusted in each unit subject to this Part;
- (ii) Quantity of fuel combusted in each unit subject to this Part; and
- (iii) Heat content of each fuel combusted.

The approved alternative monitoring shall be cited in a facility specific condition under subdivision 251.3(b) of this Part. and shall at a minimum include the prescribed CO2 emission limit and type of monitoring used to show compliance with said emission limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2023.

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

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

Condition 106: Compliance Demonstration

Effective between the dates of 04/05/2022 and 04/04/2027

Applicable State Requirement: 6 NYCRR 251.3 (b)

Item 106.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: W-00001

Emission Point: 00001

Permit ID: 7-3512-00005/00006

Facility DEC ID: 7351200005

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 106.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

On or after December 31, 2020, owners or operators of non-modified existing sources shall not fire any single fossil fuel, alone or in combination with any other fuel, where each fossil fuel is required to meet an emission rate of 180 pounds of CO₂ per million Btu of input (input-based limit). These emission limits are measured on an annual basis, calculated by dividing the annual total of CO₂ emissions for the calendar year by the annual total Btus (input-based limit) fired for each separate fossil fuel fired. The owner or operator must maintain all records associated with these requirements on site or at a location acceptable to the Department for a minimum of five years.

Manufacturer Name/Model Number: CO₂ Continuous Monitor

Parameter Monitored: CARBON DIOXIDE

Upper Permit Limit: 180 pounds per million Btus

Monitoring Frequency: CONTINUOUS

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2022.

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

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Facility DEC ID: 7351200005